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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 16.4815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-40
Perfect score: 2626
Sequence: 1 YERLRLRVTHQTTCXEVFRF.....RRIIYPATGKNQMMPLPVX 534

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep: *
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep: *
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep: *
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep: *
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep: *
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2504.5	95.4	564	4	US-08-776-059-35
2	1267.5	48.3	263	4	US-08-776-059-43
3	1267.5	48.3	264	4	US-08-776-059-33
4	1155	44.0	253	4	US-08-776-059-31
5	1101	41.9	540	1	US-08-378-761A-77
6	1101	41.9	540	1	US-08-485-286-77
7	1073	40.9	235	4	US-08-776-059-39
8	453.5	17.3	250	1	US-08-378-761A-71
9	453.5	17.3	250	1	US-08-485-286-71
10	403	15.3	534	2	US-08-356-786-10
11	376	14.3	267	1	US-07-901-707-1
12	376	14.3	267	1	US-07-988-430-1
13	376	14.3	267	1	US-08-218-303-16
14	376	14.3	267	1	US-08-425-336-1
15	376	14.3	267	1	US-08-488-113B-1
16	376	14.3	267	1	US-08-477-484B-1
17	376	14.3	267	2	US-08-646-360-1
18	376	14.3	267	2	US-08-338-793D-61
19	376	14.3	267	4	US-08-839-765-1
20	376	14.3	267	4	US-09-136-389-1
21	376	14.3	267	4	US-09-610-838-1
22	376	14.3	267	5	PCT-US92-09487-1
23	376	14.3	268	2	US-08-356-786-8
24	372	14.2	290	1	US-08-378-761A-27
25	372	14.2	290	1	US-08-485-286-27
26	372	14.2	290	6	5248606-4
27	326	12.4	282	1	US-08-324-301-15

28	301	11.5	267	1	US-08-378-761A-74	Sequence 74, Appl
29	301	11.5	267	1	US-08-485-286-74	Sequence 74, Appl
30	299	11.4	247	1	US-08-488-113B-6	Sequence 6, Appl
31	299	11.4	247	1	US-08-477-484B-6	Sequence 6, Appl
32	299	11.4	247	2	US-08-646-360-6	Sequence 6, Appl
33	299	11.4	247	4	US-08-839-765-6	Sequence 6, Appl
34	299	11.4	247	4	US-09-136-389-6	Sequence 6, Appl
35	299	11.4	247	4	US-07-923-692C-4	Sequence 4, Appl
36	294	11.2	289	1	US-08-184-237-4	Sequence 4, Appl
37	294	11.2	289	1	US-08-482-920-4	Sequence 4, Appl
38	294	11.2	289	3	US-08-484-341-4	Sequence 4, Appl
39	294	11.2	289	4	US-08-483-502-4	Sequence 4, Appl
40	294	11.2	289	4	US-07-901-707-4	Sequence 4, Appl
41	294	10.9	263	1	US-07-988-430-4	Sequence 4, Appl
42	287.5	10.9	263	1	US-08-425-336-4	Sequence 4, Appl
43	287.5	10.9	263	1	US-08-488-113B-4	Sequence 4, Appl
44	287.5	10.9	263	1		
45	287.5	10.9	263	1		

ALIGNMENTS

RESULT 1
US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jergen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; EARLIER FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match	95.4%	Score 2504.5	DB 4	Length 564
Best Local Similarity	91.7%	Pred. No. 2e-272		
Matches 489	Conservative	2	Mismatches 39	Indels 3
QY	1	YERLRLRVTHQTTCXEVFRF	ITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRVFLVELTN	60
Db	34	YERLRLRVTHQTTCXEVFRF	ITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRVFLVELTN	93
QY	61	QXGDSXAAIDVTNXXVAYQAGDSYFLRDA	PRGAEHLFTGTT--RSSLFNGSYXDL	120
Db	94	QGGDSITAAIDVTNLYVAYQAGDSYFLRDA	PRGAEHLFTGTT--RSSLFNGSYXDL	151
QY	121	ERYAGHROIPGIXQLQSVXALXP	GGSTRTQARSILILQIMISEAARFPLWRARQ	211
Db	152	ERYAGHROIPGIXQLQSVXALXP	GGSTRTQARSILILQIMISEAARFPLWRARQ	211
QY	181	XINSGXFLPDXYMLELSTSGQSTQVHSTG	DFVNNPRLAIXXGNFVTLXNVXVIA	240
Db	212	YINGASFLPDXYMLELSTSGQSTQVHSTG	DFVNNPRLAIXXGNFVTLXNVXVIA	271
QY	241	SLATMLFVCGRRPSSDVRVYPLVIRPV	IAADDVTCASEPTVIRVGRGXMKVDRDDDFH	300
Db	272	SLATMLFVCGRRPSSDVRVYPLVIRPV	IAADDVTCASEPTVIRVGRGXMKVDRDDDFH	331
QY	301	DGNQIQWLPSKNNDPNQLWTIKEDXTIR	SGSLTITVGYTAGVYVMIFDCNTAVREATI	360

us-09-601-667c-40.ra1

Sat Mar 22 10:41:32 2003

APPLICANT: BAUR, Axel
 APPLICANT: ZINKE, Holger
 TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 FILE REFERENCE: 674503-2003
 CURRENT APPLICATION NUMBER: US/08/776,059B
 CURRENT FILING DATE: 1999-06-19
 EARLIER APPLICATION NUMBER: PCT/EP96/02273
 EARLIER FILING DATE: 1996-06-25
 EARLIER APPLICATION NUMBER: 95109949.8
 EARLIER FILING DATE: 1995-06-26
 NUMBER OF SEQ ID NOS: 56
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 33
 LENGTH: 264
 TYPE: PRT
 ORGANISM: Viscum album
 US-08-776-059-33

Query Match 48.3%; Score 1267.5; DB 4; Length 264;
 Best Local Similarity 91.6%; Pred. No. 4.9e-134;
 Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY 271 DDVTCASAEPTVRIVGRGXGXVDVDRDDFDHGNQIOLWPSKSNNDPNQWTKRDXTIRS 330
 DB 2 DDVTCASAEPTVRIVGRGXGXVDVDRDDFDHGNQIOLWPSKSNNDPNQWTKRDXTIRS 61
 QY 331 NGSLTYGYTAGVYVMI FDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 390
 DB 62 NGSLTYGYTAGVYVMI FDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 121
 QY 391 VOTLDYTLGGWLAGNDTAPREVTIYGRDLCHESNKGXSVVETCXSSQXNXWALYGD 450
 DB 122 VOTLDYTLGGWLAGNDTAPREVTIYGRDLCHESNKGXSVVETCXSSQXNXWALYGD 180
 QY 451 GSIRPKQNDCLTXGRDSVSTVINIVSCSXXSQXQWVFTNEXAILNLKXXXXVDAQA 510
 DB 181 GSIRPKQNDCLTXGRDSVSTVINIVSCSXXSQXQWVFTNEXAILNLKXXXXVDAQA 240
 QY 511 NPKLRRIIYPATGKPNQWMLPV 533
 DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 4
 US-08-776-059-31
 ; Sequence 31, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 31
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 ; US-08-776-059-31

Query Match 44.0%; Score 1155; DB 4; Length 253;
 Best Local Similarity 91.3%; Pred. No. 2e-121;
 Matches 232; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY 1 YERLRLRVHTQTTGXEFRTLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVELTN 60

DB 332 DGNQIOLWPSKSNNDPNQWTKRDXTIRSNGSLTYGYTAGVYVMI FDCNTAVREATL 391
 QY 361 WOIWXNGTIIINPRSNLVLAASSGIGKTTLT VOTLDYTLGGWLAGNDTAPREVTIYGRD 420
 DB 392 WOIWXNGTIIINPRSNLVLAASSGIGKTTLT VOTLDYTLGGWLAGNDTAPREVTIYGRD 451
 QY 421 LCMESNKGXSVVETCXSSQXNXWALYGDGSIRPKQNDCLTXGRDSVSTVINIVSCS 480
 DB 452 LCMESNKGXSVVETCXSSQXNXWALYGDGSIRPKQNDCLTXGRDSVSTVINIVSCS 510
 QY 481 XXSXQXQWVFTNEXAILNLKXXXXVDAQANPKLRRIIYPATGKPNQWMLPV 533
 DB 511 AGSSGQXQWVFTNEXAILNLKXXXXVDAQANPKLRRIIYPATGKPNQWMLPV 563

RESULT 2
 US-08-776-059-43
 ; Sequence 43, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 43
 ; LENGTH: 263
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 ; US-08-776-059-43

Query Match 48.3%; Score 1267.5; DB 4; Length 263;
 Best Local Similarity 91.6%; Pred. No. 4.9e-134;
 Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY 271 DDVTCASAEPTVRIVGRGXGXVDVDRDDFDHGNQIOLWPSKSNNDPNQWTKRDXTIRS 330
 DB 1 DDVTCASAEPTVRIVGRGXGXVDVDRDDFDHGNQIOLWPSKSNNDPNQWTKRDXTIRS 60
 QY 331 NGSLTYGYTAGVYVMI FDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 390
 DB 61 NGSLTYGYTAGVYVMI FDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 120
 QY 391 VOTLDYTLGGWLAGNDTAPREVTIYGRDLCHESNKGXSVVETCXSSQXNXWALYGD 450
 DB 121 VOTLDYTLGGWLAGNDTAPREVTIYGRDLCHESNKGXSVVETCXSSQXNXWALYGD 179
 QY 451 GSIRPKQNDCLTXGRDSVSTVINIVSCSXXSQXQWVFTNEXAILNLKXXXXVDAQA 510
 DB 180 GSIRPKQNDCLTXGRDSVSTVINIVSCSXXSQXQWVFTNEXAILNLKXXXXVDAQA 239
 QY 511 NPKLRRIIYPATGKPNQWMLPV 533
 DB 240 NPKLRRIIYPATGKPNQWMLPV 262

RESULT 3
 US-08-776-059-33
 ; Sequence 33, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 33
 ; LENGTH: 253
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 ; US-08-776-059-33

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-485-286-77

Query Match 41.9%; Score 1101; DB 1; Length 540;
Best Local Similarity 45.1%; Pred. No. 7.4e-115;
Matches 242; Conservative 81; Mismatches 193; Indels 20; Gaps 11;

Qy 9 THQTTXGYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGDSX 66
Db 13 TADATVSTNFIKAVRSHLTGADVRHEIPVLPNRVGLPIS--ORFLLVLSNHAELSV 70
Qy 67 TAAIDVTNXYVAYAGQDSYFLR-DAPRGAB--THLFTGTRDRSSLPFFXGSYXDLERY 123
Db 71 TLALDVTNAYVVCRCAGNSAYFFHFDNQDEAETHLFT-DVQNSFTFAFGGNYDRLEQL 129
Qy 124 AGHRDQIPLGIXQLIOSVXAL---RXPGGSTRXQARSILILLOMISEAARFNPILWRXQ 180
Db 130 GGLRENIELGTGPLEDAISALVYSTCGTQIPTLARSMVCIMISEAARFQYIEGEMRT 189
Qy 181 XINGKSFPLDXYMLELTSWQOSTOVQHSYTDGVFNPNXRLAIXXGNFVTLXNVXXVIA 240
Db 190 RIRYNRRSAPDSVITLNSWGLRSLTAIQESNQGFAPSIQIQRNGSKFNVDVSLIP 249
Qy 241 SLAIMLFVCGERPSSDVRWPLVIRPIAD---DVTCSASEPTVIRVGRXGMXVDVRDD 297
Db 250 ITALMYRCAPPSSQ----FSLIRPVVFNADY-CMDPEPIVRIVGRNGLCVDVGE 304
Qy 298 DFHDGNOIQLPWKSNDPNQMTIKRDXTIRNSGCLTYGYTAGVYVIMFPCNTAVRE 357
Db 305 EFPDGNPIQLWPKSKTDNQLWLRKDSIRNSGKCLTISKSPQQOVVYNCSTATVG 364
Qy 358 ATTQWQWNGTIIIPRSLNVLAASSGKGTTLTVQTLVDYTLGQWLAGNDTAPREVTIYG 417
Db 365 ATRWQWQWNGTIIIPRSLNVLAASSGKGTTLTVQTLVDYTLGQWLAGNDTAPREVTIYG 424
Qy 418 FDLCMESNXGVSVMVFCXSQXQXWALYGDGSRPKQNOCLTXGRDSYSTVINIV 477
Db 425 LYGWLQANGSKVWLEDCTSEKARQ-QWALYADGSRPKQNOCLTXGRDSYSTVINIV 483
Qy 478 SCSSXXSXORWVFNEKAILNLKXXXDXVAQANPKLRIIYPATGKPNQMLPV 533
Db 484 SCGPASSQGRWFKNDGTILNLYGLVDVRSRPSLKQIIVHFHGLNQLNLPL 539

RESULT 7
US-08-776-059-39

; Sequence 39, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 39
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-39

Query Match 40.9%; Score 1073; DB 4; Length 235;
Best Local Similarity 91.6%; Pred. No. 2.8e-112;

Matches 217; Conservative 0; Mismatches 18; Indels 2; Gaps 1;
Qy 18 FRITILLRDYVSSGSFSNEIPLLRSQSTIPVSDAORFVLVELTNOGDSXTAAIDVTNXYV 77
Db 1 FRFITLLRDYVSSGSFSNEIPLLRSQSTIPVSDAORFVLVELTNOGDSITAAIDVTNLYV 60
Qy 78 VAYAGQDSYFLRDAPRGAETHLFTGTRDRSSLPFFXGSYXDLERYAGHRDQIPLGIXQL 137
Db 61 VAYAGQDSYFLRDAPRGAETHLFTGTT--RSSLPFNGSYPLDERYAGHRDQIPLGIDQL 118
Qy 138 IQSVXALRXPGGSTRXQARSILILLOMISEAARFNPILWRXROXNSGSXSLPDXMYMLEL 197
Db 119 IQSVTALRFPGGSTRQARSILILLOMISEAARFNPILWRARQVINSASFLPDVYMLEL 178
Qy 198 ETSWQOSTOVQHSYTDGVFNPNXRLAIXXGNFVTLXNVXXVIAIAIMLFVCGERPSS 254
Db 179 ETSWQOSTOVQHSYTDGVFNPNXRLAIXXGNFVTLXNVXXVIAIAIMLFVCGERPSS 235

RESULT 8

US-08-378-761A-71

; Sequence 71, Application US/08378761A
; Patent No. 5635384
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,761A
; FILING DATE: 26-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-378-761A-71

Query Match 17.3%; Score 453.5; DB 1; Length 250;
Best Local Similarity 41.9%; Pred. No. 1.1e-42;
Matches 106; Conservative 34; Mismatches 86; Indels 27; Gaps 7;

Qy 9 THQTTXGYFRITLLRDYVSSGSFSNEIPLLRSQSTIPVSDAORFVLVELTNOGDSXTA 68
Db 9 TEGATSSQSYKQFIALRERL-RGGIHDIPVLPDPT-TLQERNRYITVELNSDTSIEV 66
Qy 69 AIDVTNXYVAYAGQDSYFLRDAPRGAETHLFTGTRDRSSLPFFXGSYXDLERYAGH-R 127
Db 67 GIDVTNAYVAYAGQDSYFLRDAPRGAETHLFTGTRDRSSLPFFXGSYXDLERYAGH-R 124

Qy	128	DQIPLGXIGI	OSVXALR	PGGSTRQA	RSIIILIQ	MISEAA	RFPILW	RXQXINS	GKS	187
			:	:	:	:	:	:	:	
Db	125	QQIPLGQAL	THGISF	FRSGND	NEKATL	VIQWAE	AAARFYI	SNRV	SVISQT	184
			:	:	:	:	:	:	:	
Qy	188	FIPDXVML	SETSWG	QOOSTQ	VOHSTD	GVFN	PKRLA	IXXGN	VTLXNV	237
			:	:	:	:	:	:	:	
Db	185	FQPDAA	MI	SENNW	-DNL	RGVQ	ESQD	TFPQ	-----	233
			:	:	:	:	:	:	-----	
Qy	238	-VIASL	AIML	FVC	249					
			:	:	:	:	:	:	:	
Db	234	PTVAVL	ALML	FVC	246					
			:	:	:	:	:	:	:	

RESULT 9
 US-08-485-286-71
 ; Sequence 71, Application US/08485286
 ; Patent No. 5646026
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION NUMBER: US/08/485,286
 ; APPLICATION DATA:
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 71:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 250 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 -08-485-286-71

Query Match	17.3%;	Score 453.5;	DB 1;	Length 250;
Best Local Similarity	41.9%;	Pred. No. 1.1e-42;		
Matches 106;	Conservative 34;	Mismatches 86;	Indels 27;	Gaps
9	THQTTGXEYFRFTLLRDYVSSGSFNEIPLRLQSTIPVSDAQRFVLVLTNQGXSXTA	68		
9	TEGATSOYKQFTEALRELR- RGLLIHDPVLDPDT-TLQERNRYITVETLSNSDFTSEIV	66		
69	AIDVTNKNVYVAYQAGDSQYFLRDAPGAETHLFTCTTRDRSSLPGXGSYXDLERYAGH-R	127		
67	GIDVTNAYVYVAYRAGTQSYFLRDAPSSAGSLFTGTF--DQHSLPYGYTGLDERWAHQSR	124		

Qy	128	DQIPLGIXOLIOSVXALRXP	GGSTRXQARSILIQMISEAARFNPIUWRXQINS	187
Db	125	QQIPLGLQALTHGISFRSSGGNDNEEKARTLIVIIQWVAEAAFRFYISNRVRSIQTGTA	184	
Qy	188	FUPDXVMELETSWGQQSTQVOHSTDGVFNPNXPRLAIXXGNFVTLXNVRX	237	
Db	185	FQPDAAIMSLENNW-DNLRGVQESQDITFPNQ-----VLTNTINEFPVIVDSLH	233	
Qy	238	-VIASLAIMLFVC	249	
Db	234	PTVAVIALMLFVC	246	

RESULT 10
 US-08-356-786-10
 ; Sequence 10, Application US/08356786
 ; Patent No. 5877305
 ; GENERAL INFORMATION:
 ; APPLICANT: Huston, James S.
 ; APPLICANT: Oppermann, Hermann
 ; APPLICANT: Houston, L. L.
 ; APPLICANT: Ring, David B.
 ; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
 ; TITLE OF INVENTION: Marker
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
 ; STREET: Exchange Place, 53 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/356,786
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/831,967
 ; FILING DATE: 06-FEB-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Pitcher, Edmund R.
 ; REGISTRATION NUMBER: 27,829
 ; REFERENCE/DOCKET NUMBER: CRP-053
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 248-7000
 ; TELEFAX: (617) 248-7100
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 534 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-356-786-10

Query Match	15.3%;	Score 403;	DB 2;	Length 534;
Best Local Similarity	27.9%;	Pred. No. 1.7e-36;		
Matches 143;	Conservative 78;	Mismatches 167;	Indels 124;	Gaps 23;
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16	TAGATVQSYTNFIRAVRGRLTTGADVREI	PVLPNVRGLPIN--QRFLIVELSNHAELSV	73	
67	TAAIDVTNXXVVAOAGQSQSYFLR-	DAPRGAE--THLFTGTTTRDRSSLPFGSYXDLERY	123	
74	TLADVTNAYVVGVRAGNSAYFFHPDNOEDAE	AIATHLFT-DVQNYRYTFAGGNYDELEQL	132	
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; MOLECULE TYPE: protein
; US-07-901-707-1
Query Match 14.3%; Score 376; DB 1; Length 267;
Best Local Similarity 39.1%; Pred. No. 6.4e-34;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
QY 9 THOTTGXKEYFRFTILRDYVSSGS-FSNEIPL-L-RQSTIPVSDAQRFLVELTNOGXDSX 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNVRGLPIN--QRFLVELSNHAEUSV 70
QY 67 TAALDVTNXXVAYQAGDQSVFELR-DAPRGAE--THLFTGTTRDRSSLPFXGSYXDLERY 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNEYTAFAGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXLIQSVXAL---RXPGGSTRXQARSILILQIMISAARNPILWRXR 179
Db 130 AGNLRNIELGNGLPEEAISALYYVSTGGTQLPTLARSFIICQIMISAARFQYIEGMR 189
QY 180 QXINGSGXSFUPDXMYMLELETSWGOOSTOVQHSITDGVFNPNXPRLAIXXGNFVTLXNVXVI 239
Db 190 TRIRYNRSAPDPSPVITLNSWGRSLTAIQBSNQAFASPIQLQRRNGSKFSVYDVSIIL 249
QY 240 ASLAIMLFVCGERPSS 255
Db 250 PIIALMVYRCAPPSS 265

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RESULT 11
US-07-901-707-1
; Sequence 1, Application US/07901707
; Patent No. 5376546
; GENERAL INFORMATION:
; APPLICANT: Bernhard, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Steve F.
; APPLICANT: Lane, Julie A.
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/901,707
; FILING DATE: 19920619
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5376546and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27129/30910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-5750
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; US-07-901-707-1
Query Match 14.3%; Score 376; DB 1; Length 267;
Best Local Similarity 39.1%; Pred. No. 6.4e-34;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
QY 9 THOTTGXKEYFRFTILRDYVSSGS-FSNEIPL-L-RQSTIPVSDAQRFLVELTNOGXDSX 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNVRGLPIN--QRFLVELSNHAEUSV 70
QY 67 TAALDVTNXXVAYQAGDQSVFELR-DAPRGAE--THLFTGTTRDRSSLPFXGSYXDLERY 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNEYTAFAGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXLIQSVXAL---RXPGGSTRXQARSILILQIMISAARNPILWRXR 179
Db 130 AGNLRNIELGNGLPEEAISALYYVSTGGTQLPTLARSFIICQIMISAARFQYIEGMR 189
QY 180 QXINGSGXSFUPDXMYMLELETSWGOOSTOVQHSITDGVFNPNXPRLAIXXGNFVTLXNVXVI 239
Db 190 TRIRYNRSAPDPSPVITLNSWGRSLTAIQBSNQAFASPIQLQRRNGSKFSVYDVSIIL 249
QY 240 ASLAIMLFVCGERPSS 255
Db 250 PIIALMVYRCAPPSS 265

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RESULT 12
US-07-988-430-1
; Sequence 1, Application US/07988430
; Patent No. 5416202
; GENERAL INFORMATION:
; APPLICANT: Bernhard, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Lane, Julie A.
; APPLICANT: Lei, Shau-ping
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/988,430
; FILING DATE: 19921209
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5416202and, Greta E.
; REGISTRATION NUMBER: 35302
; REFERENCE/DOCKET NUMBER: 31133
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-9740
; TELEX: 25-3856

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INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 267 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-988-430-1

Query Match 14.3%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 6.4e-34;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
 QY 9 THQTTCXEVFRITLLRDVSVSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
 DB 13 TAGATVQSTVNFIRAVRGRLTTGADVREHPIVLPNRVGLPIN--QRFILVELSNHAELSV 70
 QY 67 TAAIDVTNXYVAYAGDOSYFLR-DAPRGAE--THLFTGTRDRSSLPFXGSYXDLERY 123
 DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNYTFAGGNYDRLEOL 129
 QY 124 AGH-RDQIPGLXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXR 179
 DB 130 AGNLRENIELGNGLPEEAISALYYSTGGTQPTLARSFIIQIMISEAARFQYIEGMR 189
 QY 180 QXINSXSFLPDXYMLELETSWGQOSTQVQHSITDGVFNPNXRLAIXXGNFVTLXNVXVI 239
 DB 190 TRIRYNRSAPDPSPVITLNSWGRSLTAQESNOGAFASPIQLORRNGSKFSVYDVSI 249
 QY 240 ASLAIMLFVCGERPSS 255
 DB 250 PIALMVYRCAPPSS 265

RESULT 13
 US-08-218-303-16
 Sequence 16, Application US/08218303
 Patent No. 5547867
 GENERAL INFORMATION:
 APPLICANT: Kara, Bhupendra V.
 APPLICANT: Hockney, Robert C.
 APPLICANT: Fitton, John E.
 TITLE OF INVENTION: FERMENTATION PROCESS
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cushman, Darby & Cushman
 STREET: 1615 L Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20036-5601
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/218,303
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/841,533
 FILING DATE: 26-FEB-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Kokulis, Paul N.
 REGISTRATION NUMBER: 16,773
 REFERENCE/DOCKET NUMBER: PNK/3893/94908/MJW
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-861-3000
 TELEFAX: 202-822-0944
 TELEX: 6714627 CUSH
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 267 amino acids

TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-218-303-16

Query Match 14.3%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 6.4e-34;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
 QY 9 THQTTCXEVFRITLLRDVSVSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
 DB 13 TAGATVQSTVNFIRAVRGRLTTGADVREHPIVLPNRVGLPIN--QRFILVELSNHAELSV 70
 QY 67 TAAIDVTNXYVAYAGDOSYFLR-DAPRGAE--THLFTGTRDRSSLPFXGSYXDLERY 123
 DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNYTFAGGNYDRLEOL 129
 QY 124 AGH-RDQIPGLXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXR 179
 DB 130 AGNLRENIELGNGLPEEAISALYYSTGGTQPTLARSFIIQIMISEAARFQYIEGMR 189
 QY 180 QXINSXSFLPDXYMLELETSWGQOSTQVQHSITDGVFNPNXRLAIXXGNFVTLXNVXVI 239
 DB 190 TRIRYNRSAPDPSPVITLNSWGRSLTAQESNOGAFASPIQLORRNGSKFSVYDVSI 249
 QY 240 ASLAIMLFVCGERPSS 255
 DB 250 PIALMVYRCAPPSS 265

RESULT 14
 US-08-425-336-1
 Sequence 1, Application US/08425336
 Patent No. 5621083
 GENERAL INFORMATION:
 APPLICANT: Better, Marc D.
 APPLICANT: Carroll, Stephen F.
 APPLICANT: Studnika, Gary M.
 TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 TITLE OF INVENTION: Proteins
 NUMBER OF SEQUENCES: 140
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 STREET: 6300 Sears Tower, 233 South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60606-6402
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/425,336
 FILING DATE: 18-APR-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/064,691
 FILING DATE: 12-MAY-1993
 APPLICATION NUMBER: US 07/901,707
 FILING DATE: 19-JUN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/787,567
 FILING DATE: 04-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Meyers, Thomas C.
 REGISTRATION NUMBER: P-36,989
 REFERENCE/DOCKET NUMBER: 31394
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856

Sat Mar 22 10:41:32 2003

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; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-425-336-1

Query Match      14.3%; Score 376; DB 1; Length 267;
Best Local Similarity 39.1%; Pred. No. 6.4e-34;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

QY 9 THQTGXEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
DB 13 TAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNVRGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDOSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGSYXDLERY 123
DB 71 TLALDVTNAYVGYRAGNSAYFFHPDNQDEAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXQLIOSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXR 179
DB 130 AGNLRENIELGNGLPEEAISALYYSTGGTQPLTLARSFICIQMISEAARFQYIEGEMR 189
QY 180 QXINSXGSFLPDXYMLELETSGWQOSTOVQHSSTGDFVNNPXRLLAIXXGNFVTLXNVXXVI 239
DB 190 TRIRYNRRSAPDPSVITLNSWGRLSTAIQESNQGFASPIQLQRRNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIALMVYRCAPPSS 265

RESULT 15
US-08-488-113B-1
; Sequence 1, Application US/08488113B
; Patent No. 5744580
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,113B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,336
; FILING DATE: 18-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX: 650 388-1248
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-488-113B-1

Query Match      14.3%; Score 376; DB 1; Length 267;
Best Local Similarity 39.1%; Pred. No. 6.4e-34;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

QY 9 THQTGXEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
DB 13 TAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNVRGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDOSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGSYXDLERY 123
DB 71 TLALDVTNAYVGYRAGNSAYFFHPDNQDEAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXQLIOSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXR 179
DB 130 AGNLRENIELGNGLPEEAISALYYSTGGTQPLTLARSFICIQMISEAARFQYIEGEMR 189
QY 180 QXINSXGSFLPDXYMLELETSGWQOSTOVQHSSTGDFVNNPXRLLAIXXGNFVTLXNVXXVI 239
DB 190 TRIRYNRRSAPDPSVITLNSWGRLSTAIQESNQGFASPIQLQRRNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIALMVYRCAPPSS 265

Search completed: March 22, 2003, 09:59:51
Job time : 18.4815 secs
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GenCore version 5.1.4_p5.4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 7.87037 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-2

Perfect score: 1213

Sequence: 1 YERLRLRVHTQTGXEYFRP.....XVIASLAIMLFVCGERPSSS 255

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

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- 2: /cgn2_6/ptodata/2/iaa/5B COMB pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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9	377.5	31.1	267	1	US-07-988-430-1
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11	377.5	31.1	267	1	US-08-425-336-1
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45	284.5	23.5	263	2	US-08-646-360-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; CURRENT APPLICATION NUMBER: 674503-2003
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match 96.1%; Score 1165.5; DB 4; Length 564;
Best Local Similarity 92.2%; Pred. No. 9.1e-135;
Matches 235; Conservative 0; Mismatches 19; Indels 1; Gaps 1;

QY	1	YERLRLRVHTQTGXEYFRPITLLRDYVSSGFSNEIPLLRQSTTPVSDAQRFLVELTN 60
DB	34	YERLRLRVHTQTGXEYFRPITLLRDYVSSGFSNEIPLLRQSTTPVSDAQRFLVELTN 93
QY	61	QGXDSTAAADVTNXXVYVAYQAGQSYFLRDAPRGAETHLTGTTRXSSLPKXGSYXDL 120
DB	94	QGDSITAAADVTNXXVYVAYQAGQSYFLRDAPRGAETHLTGTTRXSSLPKXGSYXDL 152
QY	121	RYAGHRQIPIGIXQLIQSVXALXPGGSTRXQARSILILQIMISEAARFNPILWRXQX 180
DB	153	RYAGHRQIPIGIDQLIQSVTALRFPGGSTRQARSILILQIMISEAARFNPILWRARQY 212
QY	181	INSGXFLPDXYMLELSTSGQOSTQVQHSITDGVFNPNPRLAIXXGNFVTLXNVXVVIAS 240
DB	213	INSGASFLPDVYMLELSTSGQOSTQVQHSITDGVFNPNPRLAIPGPNFVTLTNVRDVAS 272
QY	241	LAIMLFVCGERPSSS 255
DB	273	LAIMLFVCGERPSSS 287

US-08-776-059-39

Query Match 88.5%; Score 1073.5; DB 4; Length 235;
Best Local Similarity 91.9%; Pred. No. 5.3e-124;
Matches 217; Conservative 0; Mismatches 18; Indels 1; Gaps 1;

QY 18 FRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFVLVELTNOGSDSITAAIDVTNLV 77
DB 1 FRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFVLVELTNOGSDSITAAIDVTNLV 60

QY 78 VAYOAGDQSYFLRDAPGAETHLFTGTTTRXSSLPFGSYXDLERVAGHRDQIPLGIXQLI 137
DB 61 VAYOAGDQSYFLRDAPGAETHLFTGTTTR-SSLPFGSYXDLERVAGHRDQIPLGIXQLI 119

QY 138 OSVXALRXPGGSTRQARSILILIQMISEAARFNILWRXQINSXGSLPDXMYMLE 197
DB 120 OSVTALRFPGGSTRQARSILILIQMISEAARFNILWRXQINSXGSLPDXMYMLE 179

QY 198 TSWGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLNVRXVIAISLAIMLFVCGGRPS 253
DB 180 TSWGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLNVRXVIAISLAIMLFVCGGRPS 235

RESULT 4

US-08-378-761A-71

; Sequence 71, Application US/08378761A
; Patent No. 5635384
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS: 81
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM: FLOPPY disk
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,761A
; FILING DATE: 26-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-378-761A-71

Query Match 36.9%; Score 447; DB 1; Length 250;
Best Local Similarity 41.7%; Pred. No. 6.7e-47;
Matches 105; Conservative 34; Mismatches 87; Indels 26; Gaps 7;

QY 9 THQTTGXEYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFVLVELTNOGSDSXTA 68
DB 9 TEGATSQSYKQFIEALRRL-RGGLIHDPVLPDPT-TLOERNRYITVELSNSDTSIEV 66

US-08-776-059-31

; Sequence 31, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
; US-08-776-059-31

Query Match 95.3%; Score 1155.5; DB 4; Length 253;
Best Local Similarity 91.7%; Pred. No. 4.8e-134;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY 1 YERILRVTHQTTGXEFRTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFVLVELTN 60
DB 2 YERILRVTHQTTGXEFRTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFVLVELTN 61

QY 61 QGXDXTAAIDVTNXYVAYOAGDQSYFLRDAPGAETHLFTGTTTRXSSLPFGSYXDL 120
DB 62 QGDSITAAIDVTNLYVAYOAGDQSYFLRDAPGAETHLFTGTTTR-SSLPFGSYXDL 120

QY 121 RYAGHRDQIPLGIXQLIOSVXALRXPGGSTRQARSILILIQMISEAARFNILWRXQ 180
DB 121 RYAGHRDQIPLGIXQLIOSVXALRXPGGSTRQARSILILIQMISEAARFNILWRXQ 180

QY 181 INSGSFLPDXMYMLETSWSGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLNVRXVIA 240
DB 181 INSGSFLPDXMYMLETSWSGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLNVRXVIA 240

QY 241 LAIMLFVCGGRPS 253
DB 241 LAIMLFVCGGRPS 253

RESULT 3

US-08-776-059-39

; Sequence 39, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 39
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Viscum album

Qy	69	AIDVTNXYVAYOAGDOSYFLRDAPRGAEHLFTGTTTRXSSLPFGSYXDLERYAGH-RD	127
Db	67	GIDVTNAVYAYRAGTQSYFLRDAPSSASYDLFTGTDQ-HSLPFGYTGDLERWAHQSRQ	125
Qy	128	QIPLGIXQLQTSVVALXPXGGSTRXQARSILIIOMISEAARENPIIWXRXQXINGXSF	187
Db	126	QIPLGLOALTHGISFFRSGGNDNEEKARTLIIIVIQWVAARFYSINRVRSIQGTGAF	185
Qy	188	LPDXMYLELSTNGQQQSTQVCHTDGVPNNPXRRLAIXGNFVTLXNVRX-----	236
Db	186	QPDAAIMLSLNNW-DNLRGVOESVQDTFFNQ-----VTLTINRNEPIVDLSLHP	234
Qy	237	VIASLAIMLFVC	248
Db	235	TVAVLAIMLFVC	246

RESULT 5
 US-08-485-286-71
 ; Sequence 71, Application US/08485286
 ; Patent No. 5646026
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/485,286
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 71:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 250 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-485-286-71

Qy	69	AIDVTNVVYAYQAGDOSYFLRDAPRGAETHLTGTTTRXSSLFPXGSYXDLERYAGH-RD	127
Db	67	GIDVTNAVYVRAGTQSYFLRDAPSSASDYLTGTDO-HSLFPYGTGYGLERWAHQSRQ	125
Qy	128	QIPIGIQVLIQSXVALXPGGSTRXQARSILIILOMISEAARNPILWRXQXINGSGSF	187
Db	126	QIPLGLQALTHGISFFRSGGNDNEEKARTLIVIQWVAARFYSINRVRSIQGTAF	185
Qy	188	LPDXMYLELTSNGQSQSTQVQHTDGVFNPNXRLAIXGNFVTLXNVRX-----	236
Db	186	QPDAAIMISLENNW-DMLRGVQBSVDQTFPNQ-----VTLNIRNEPVIDLSLHP	234
Qy	237	VIASLAIMLFVC	248
Db	235	TVAVLAIMLFVC	246

RESULT 6
 US-08-378-761A-77
 ; Sequence 77, Application US/08378761A
 ; Patent No. 5635384
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/378,761A
 ; FILING DATE: 26-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-378-761A-77

us-09-601-667c-2.ra1

Sat Mar 22 10:41:14 2003

Db 131 GLRENIEGTGPLEDAISALYYSTCGTQIPTLARSEWVCIMISEAARFOYIEGEMTR 190
 QY 181 INSGXSFDPDXMYMLETSWGOQSTQVQHSSTGVDGNNPXRLLAIXXGNFVTLXNVKXVIAS 240
 Db 191 IRYNRRSAPDPSPVITLNSWGRSLTAIOESNOGAFASPIQLORRNGSKFNVDVLSILPI 250
 QY 241 LAIMLFVCGERPSS 254
 Db 251 IALMVYRCAPPSS 264

RESULT 8

US-07-901-707-1
 ; Sequence 1, Application US/07901707
 ; Patent No. 5376546
 ; GENERAL INFORMATION:
 ; APPLICANT: Bernhardt, Susan L.
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Steve F.
 ; APPLICANT: Lane, Julie A.
 ; TITLE OF INVENTION: Materials Comprising and Methods of
 ; TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins
 ; NUMBER OF SEQUENCES: 57
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
 ; ADDRESSEE: Bicknell
 ; STREET: Two First National Plaza, 20 South Clark
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60603
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07901,707
 ; FILING DATE: 19920619
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5376546and, Greta E.
 ; REGISTRATION NUMBER: 35,302
 ; REFERENCE/DOCKET NUMBER: 27129/30910
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (312) 346-5750
 ; TELEFAX: (312) 984-5750
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-07-901-707-1

Query Match 31.1%; Score 377.5; DB 1; Length 267;
 Best Local Similarity 38.8%; Pred. No. 2.6e-38;
 Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
 QY 9 THOTTGXEFRTLLRDYVSSGS-PSNEIPLL-RQSTIPVSDAQRFLVELTNOGXDSX 66
 Db 13 TAGATVQSYTNFTRAVRSHLTTCADVRHEIPVLPNRVGLPIN--QRFLVELSNHAE LSV 70
 QY 67 TAAIDVTNXYVAYQAGDSQSYFLR-DAPRGAE--THLFTGTRXSSLPFXGSGYDLERYA 123
 Db 71 TLALDVTNAYVVGCRAGNSAYFFHPDNOEDAEATHLFTDVQNSYTFAGFGNYDLRLQLA 130
 QY 124 GH-RDQIPLGIXQLIQSVKAL--RXPGGSTRXQARSILILQIMISEAARFNPLWRXRX 179

Db 131 GLRENIEGTGPLEDAISALYYSTCGTQIPTLARSEWVCIMISEAARFOYIEGEMTR 190
 QY 181 INSGXSFDPDXMYMLETSWGOQSTQVQHSSTGVDGNNPXRLLAIXXGNFVTLXNVKXVIAS 240
 Db 191 IRYNRRSAPDPSPVITLNSWGRSLTAIOESNOGAFASPIQLORRNGSKFNVDVLSILPI 250
 QY 241 LAIMLFVCGERPSS 254
 Db 251 IALMVYRCAPPSS 264

RESULT 7

US-08-485-286-77
 ; Sequence 77, Application US/08485286
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/485,286
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-485-286-77

Query Match 31.2%; Score 379; DB 1; Length 540;
 Best Local Similarity 38.2%; Pred. No. 4.7e-38;
 Matches 97; Conservative 39; Mismatches 108; Indels 10; Gaps 6;
 QY 9 THOTTGXEFRTLLRDYVSSGS-PSNEIPLL-RQSTIPVSDAQRFLVELTNOGXDSX 66
 Db 13 TAGATVQSYTNFTRAVRSHLTTCADVRHEIPVLPNRVGLPIS--QRFLVELSNHAE LSV 70
 QY 67 TAAIDVTNXYVAYQAGDSQSYFLR-DAPRGAE--THLFTGTRXSSLPFXGSGYDLERYA 123
 Db 71 TLALDVTNAYVVGCRAGNSAYFFHPDNOEDAEATHLFTDVQNSYTFAGFGNYDLRLQLG 130
 QY 124 GH-RDQIPLGIXQLIQSVKAL--RXPGGSTRXQARSILILQIMISEAARFNPLWRXRX 180

Db 131 GNLRENIELGNGPLEEASALYYSTGGTQPLTLARSFICIQMISEAARFQYIEGEMRT 190
QY 180 XINGKSFPLDXVYMLEETSWGQOSTQVQHSHTDGVFNXPRLAIXXGNFVTLXNVXVIA 239
Db 191 RIRYNRRSAPDPSVITLNSWGRLSTAIQESNGAFASPIQLORRNGSKFSYDVVSILIP 250
QY 240 SLAIMLFVCGERPSS 254
Db 251 IIALMVYRCAPPSS 265

RESULT 9
US-07-988-430-1
; Sequence 1, Application US/07988430
; Patent No. 5416202
; GENERAL INFORMATION:
; APPLICANT: Bernhard, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Lane, Julie A.
; APPLICANT: Lei, Shau-Ping
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; STREET: Two First National Plaza, 20 South Clark
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 19921209
APPLICATION NUMBER: US/07/988,430
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 5416202and, Greta E.
REGISTRATION NUMBER: 35302
REFERENCE/DOCKET NUMBER: 31133
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-988-430-1

Query Match 31.1%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
QY 9 THQTCXEFYFRITLLRDVSSGS-FSNEIPLL-RQSTIPVSDAQRFVLVELTNOGXDSX 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVREIPLVLPNRVGLPIN--ORFILVELSNHAELSV 70

QY 67 TAAIDVTNXYVAYQAGDSYFLR-DAPRGAE--THLFTGTTRXSSLPXGYSYXDLERYA 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEAEATHLFTDVQNYRTFAFGNVDRLQOLA 130
QY 124 GH-RDQIPLGTIXQLIQSVXAL---RXPGGSTRQASILLIOMISEAARFNPILWXRQ 179
Db 131 GNLRENIELGNGPLEEASALYYSTGGTQPLTLARSFICIQMISEAARFQYIEGEMRT 190
QY 180 XINGKSFPLDXVYMLEETSWGQOSTQVQHSHTDGVFNXPRLAIXXGNFVTLXNVXVIA 239
Db 191 RIRYNRRSAPDPSVITLNSWGRLSTAIQESNGAFASPIQLORRNGSKFSYDVVSILIP 250
QY 240 SLAIMLFVCGERPSS 254
Db 251 IIALMVYRCAPPSS 265

RESULT 10
US-08-218-303-16
; Sequence 16, Application US/08218303
; Patent No. 5547867
; GENERAL INFORMATION:
; APPLICANT: Kara, Bhupendra V.
; APPLICANT: Hockney, Robert C.
; APPLICANT: Fitton, John E.
; TITLE OF INVENTION: FERMENTATION PROCESS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman, Darby & Cushman
; STREET: 1615 L Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/08/218,303
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/841,533
FILING DATE: 26-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Kokulis, Paul N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: PNK/3893/94908/MJW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-218-303-16

Query Match 31.1%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
QY 9 THQTCXEFYFRITLLRDVSSGS-FSNEIPLL-RQSTIPVSDAQRFVLVELTNOGXDSX 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVREIPLVLPNRVGLPIN--ORFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDSYFLR-DAPRGAE--THLFTGTTRXSSLPXGYSYXDLERYA 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEAEATHLFTDVQNYRTFAFGNVDRLQOLA 130

us-09-601-667c-2.ra1

Sat Mar 22 10:41:14 2003

QY 67 TAAIDVTNXYVAYOAGDOSYFLR-DAPRGAE--THLFTGTRXSSLPFGXSYXDLERVA 123
 Db 71 TLALDVTNXYVAYOAGDOSYFLR-DAPRGAE--THLFTGTRXSSLPFGXSYXDLERVA 130
 QY 124 GH-RDQIPGLIXQLIQSVKAL---RXPGRSTRXQARSILILIQMISEAARFNPIILWRXQ 179
 Db 131 GNLRENIELGNPLBEAISALYYSTGGTQPLTLARSFIICIQMISEAARFQYIEGEMRT 190
 QY 180 XNSGXSFLPDXYMLELETSWQOQSTQVQHSSTGVFNPNPRLAIXXGNFVTLXNVXXVIA 239
 Db 191 RIRYNRSAPDPSVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVDSILIP 250
 QY 240 SLAIMLFVCGERPSS 254
 Db 251 IIALMVYRCAPPSS 265

RESULT 12

US-08-488-113B-1
 ; Sequence 1, Application US/08488113B
 ; Patent No. 5744580
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Studnika, Gary M.
 ; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 ; TITLE OF INVENTION: Proteins
 ; NUMBER OF SEQUENCES: 169
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
 ; STREET: 500 West Madison Street, 34th floor
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60661
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/488,113B
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/425,336
 ; FILING DATE: 18-APR-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/064,691
 ; FILING DATE: 12-MAY-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/988,430
 ; FILING DATE: 09-DEC-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: McNicholas, Janet M.
 ; REGISTRATION NUMBER: 32,918
 ; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/707-8889
 ; TELEFAX: 312/707-9155
 ; TELEX: 650 388-1248
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

QY 124 GH-RDQIPGLIXQLIQSVKAL---RXPGRSTRXQARSILILIQMISEAARFNPIILWRXQ 179
 Db 131 GNLRENIELGNPLBEAISALYYSTGGTQPLTLARSFIICIQMISEAARFQYIEGEMRT 190
 QY 180 XNSGXSFLPDXYMLELETSWQOQSTQVQHSSTGVFNPNPRLAIXXGNFVTLXNVXXVIA 239
 Db 191 RIRYNRSAPDPSVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVDSILIP 250
 QY 240 SLAIMLFVCGERPSS 254
 Db 251 IIALMVYRCAPPSS 265

RESULT 11

US-08-425-336-1
 ; Sequence 1, Application US/08425336
 ; Patent No. 5621083
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Studnika, Gary M.
 ; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 ; TITLE OF INVENTION: Proteins
 ; NUMBER OF SEQUENCES: 140
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/425,336
 ; FILING DATE: 18-APR-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/064,691
 ; FILING DATE: 12-MAY-1993
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Meyers, Thomas C.
 ; REGISTRATION NUMBER: P-36,989
 ; REFERENCE/DOCKET NUMBER: 31394
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-425-336-1
 ; Query Match 31.1%; Score 377.5; DB 1; Length 267;
 ; Best Local Similarity 38.8%; Pred. No. 2.6e-38;
 ; Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
 ; QY 9 THQTGTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDQRFVILVTLNQGXDSX 66
 ; Db 13 TAGATVQSYNTFIRAVRGLTTGADVRRHEIPVLPNVRVGLPIN--QRFILVLSNHAELSV 70

US-08-488-113B-1

Query Match 31.1%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;

QY 9 THQTCXEYFRITLLRDYVSSGS-FSNEIPLL-RSTIPVSDAQRFLVELTNQGXDSX 66
DB 13 TAGATVQSTNFIARVGRGLTTGADVHRHEIPVLPNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYOAGDOSYFLR-DAPRGAE--THLFTGTTXSSLPFXGSYXDLERYA 123
DB 71 TLALDVTNAYVGYRAGNSAYFFHPDNQEDAEATHLFTDVQNRVYTFAGGNYDRLEQLA 130
QY 124 GH-RDOIPLGIXQLIOSVXAL---RXPGGSTRXQARSILILIQMISEAAARFNPILWRXRX 179
DB 131 GNLRENIELNGPLEEISALYYSTGGTQLPTLARSFICIQMISEAAARFVIEGEMRT 190
QY 180 XINSXGSFLPDXYMLELTSWGQOSTOVQHSHTDGVFNPNXRLAIXXGNFVTLXNVRXVIA 239
DB 191 RIRYNRRSAPDSPVITLNSWGRLSTAIOESNQGFASPIQLQRRNGSKFSYVDVVSILIP 250
QY 240 SLAIMLFVCGERPSS 254
DB 251 IIALMVRCAAPPSS 265

RESULT 13

US-08-477-484B-1
; Sequence 1, Application US/08477484B
; Patent No. 5756699
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,484B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,336
; FILING DATE: 18-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 11023US07/200-70.P3.C2A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-477-484B-1

Query Match 31.1%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;

QY 9 THQTCXEYFRITLLRDYVSSGS-FSNEIPLL-RSTIPVSDAQRFLVELTNQGXDSX 66
DB 13 TAGATVQSTNFIARVGRGLTTGADVHRHEIPVLPNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYOAGDOSYFLR-DAPRGAE--THLFTGTTXSSLPFXGSYXDLERYA 123
DB 71 TLALDVTNAYVGYRAGNSAYFFHPDNQEDAEATHLFTDVQNRVYTFAGGNYDRLEQLA 130
QY 124 GH-RDOIPLGIXQLIOSVXAL---RXPGGSTRXQARSILILIQMISEAAARFNPILWRXRX 179
DB 131 GNLRENIELNGPLEEISALYYSTGGTQLPTLARSFICIQMISEAAARFVIEGEMRT 190
QY 180 XINSXGSFLPDXYMLELTSWGQOSTOVQHSHTDGVFNPNXRLAIXXGNFVTLXNVRXVIA 239
DB 191 RIRYNRRSAPDSPVITLNSWGRLSTAIOESNQGFASPIQLQRRNGSKFSYVDVVSILIP 250
QY 240 SLAIMLFVCGERPSS 254
DB 251 IIALMVRCAAPPSS 265

RESULT 14

US-08-646-360-1
; Sequence 1, Application US/08646360
; Patent No. 5837491
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,360
; FILING DATE: 13-MAY-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05348
; FILING DATE: 12-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/901,707
;; FILING DATE: 19-JUN-1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/787,567
;; FILING DATE: 04-NOV-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: McNicholas, Janet M.
;; REGISTRATION NUMBER: 32,918
;; REFERENCE/DOCKET NUMBER: 200-70.P4
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 312/707-8889
;; TELEFAX: 312/707-9155
;; TELEX: 650 388-1248
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 267 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-646-360-1

Query Match 31.1%; Score 377.5; DB 2; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
QY 9 THQTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXXVYVAYQAGDOSYFLR-DAPRGAE--THLFTGTRXSSLPFXGSYXDLERYA 123
DB 71 TLALDVTNAVYVGYRAGNSAYFFHPDNOEDAEAIHTLFTDVQNYRTAFGNGYDRLEQLA 130
QY 124 GH-RDQIPGLIXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARNPILWRXQ 179
DB 131 GNLRNIELGNGLPEEAISALYYVSTGQTLPFLARSFIICQMISEAARFQYIEGEMRT 190
QY 180 XINGSGSFLPDXYMLETSSWGQSTQVQHSITDGVFNPNFXRLAIXXGNFVTLXNVXRVA 239
DB 191 RIRYNRSAPDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSLILP 250
QY 240 SLAIMLFVCGERPSS 254
DB 251 IIALMVYRCAPPSS 265

RESULT 15
US-08-338-793D-61
Sequence 61, Application US/08338793D
Patent No. 5840521
GENERAL INFORMATION:
APPLICANT: Barth, Peter Thomas
TITLE OF INVENTION: VECTOR
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DAREY CUSHMAN
ADDRESSEE: INTELLECTUAL PROPERTY GROUP OF
ADDRESSEE: PILLSBURY MADISON & SUTRO, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM PC/XT/AT Compatibles
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word or ASCII editors
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/338,793D
FILING DATE: 08-No. 5840521-94
CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/842,081
;; FILING DATE: 26-Feb-92
;; CLASSIFICATION: 435
;; APPLICATION NUMBER: 9104017.0
;; FILING DATE: 26-Feb-91
;; APPLICATION NUMBER: 9109188.4
;; FILING DATE: 29-Apr-91
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Kokuljis, Paul N.
;; REGISTRATION NUMBER: 16,773
;; REFERENCE/DOCKET NUMBER: DJB/9901/215431/TGW
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-861-3000
;; TELEFAX: 202-822-0944
;; TELEX: 6714627 CUSH
;; INFORMATION FOR SEQ ID NO: 61:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 267 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: Single
;; TOPOLOGY: Linear
US-08-338-793D-61

Query Match 31.1%; Score 377.5; DB 2; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.6e-38;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
QY 9 THQTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLTTGADVRHEIPVLPNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXXVYVAYQAGDOSYFLR-DAPRGAE--THLFTGTRXSSLPFXGSYXDLERYA 123
DB 71 TLALDVTNAVYVGYRAGNSAYFFHPDNOEDAEAIHTLFTDVQNYRTAFGNGYDRLEQLA 130
QY 124 GH-RDQIPGLIXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARNPILWRXQ 179
DB 131 GNLRNIELGNGLPEEAISALYYVSTGQTLPFLARSFIICQMISEAARFQYIEGEMRT 190
QY 180 XINGSGSFLPDXYMLETSSWGQSTQVQHSITDGVFNPNFXRLAIXXGNFVTLXNVXRVA 239
DB 191 RIRYNRSAPDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSLILP 250
QY 240 SLAIMLFVCGERPSS 254
DB 251 IIALMVYRCAPPSS 265

Search completed: March 22, 2003, 09:59:35
Job time : 9.87037 secs

GenCore version 5.1.4.p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 16.4506 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-1
Perfect score: 2616
Sequence: 1 YERLRVTHQTGGXEYFRF.....RRIIYPATGKNQMWLPVX 533

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA.*

- 1: /cgn_6/ptodata/2/iaa/5A_COMB.psp.*
- 2: /cgn_6/ptodata/2/iaa/5B_COMB.psp.*
- 3: /cgn_6/ptodata/2/iaa/6A_COMB.psp.*
- 4: /cgn_6/ptodata/2/iaa/6B_COMB.psp.*
- 5: /cgn_6/ptodata/2/iaa/PTUS_COMB.psp.*
- 6: /cgn_6/ptodata/2/iaa/backfiles.psp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1267.5	48.5	263	4	US-08-776-059-43
3	1267.5	48.5	264	4	US-08-776-059-33
4	1155.5	44.2	253	4	US-08-776-059-31
5	1109.5	42.4	540	1	US-08-378-761A-77
6	1109.5	42.4	540	1	US-08-485-286-77
7	1073.5	41.0	235	4	US-08-776-059-39
8	447	17.1	250	1	US-08-378-761A-71
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10	404.5	15.5	534	2	US-08-356-786-10
11	377.5	14.4	267	1	US-07-901-707-1
12	377.5	14.4	267	1	US-07-988-430-1
13	377.5	14.4	267	1	US-08-218-303-16
14	377.5	14.4	267	1	US-08-425-336-1
15	377.5	14.4	267	1	US-08-488-113B-1
16	377.5	14.4	267	1	US-08-477-484B-1
17	377.5	14.4	267	2	US-08-646-360-1
18	377.5	14.4	267	2	US-08-338-793D-61
19	377.5	14.4	267	4	US-08-839-765-1
20	377.5	14.4	267	4	US-09-610-838-1
21	377.5	14.4	267	5	PCT-US92-09487-1
22	377.5	14.4	267	5	PCT-US92-09487-1
23	377.5	14.4	268	2	US-08-356-786-8
24	373.5	14.3	290	1	US-08-378-761A-27
25	373.5	14.3	290	1	US-08-485-286-27
26	373.5	14.3	290	6	5248606-4
27	322.5	12.3	282	1	US-08-324-301-15

28	308.5	11.8	267	1	US-08-378-761A-74	Sequence 74, Appl
29	308.5	11.8	267	1	US-08-485-286-74	Sequence 74, Appl
30	306.5	11.7	247	1	US-08-488-113B-6	Sequence 6, Appl
31	306.5	11.7	247	1	US-08-477-484B-6	Sequence 6, Appl
32	306.5	11.7	247	2	US-08-646-360-6	Sequence 6, Appl
33	306.5	11.7	247	4	US-08-839-765-6	Sequence 6, Appl
34	306.5	11.7	247	4	US-09-136-389-6	Sequence 6, Appl
35	306.5	11.7	247	4	US-09-610-838-6	Sequence 6, Appl
36	301.5	11.5	289	1	US-07-923-692C-4	Sequence 4, Appl
37	301.5	11.5	289	1	US-08-184-237-4	Sequence 4, Appl
38	301.5	11.5	289	2	US-08-482-920-4	Sequence 4, Appl
39	301.5	11.5	289	3	US-08-484-341-4	Sequence 4, Appl
40	301.5	11.5	289	4	US-08-483-502-4	Sequence 4, Appl
41	301.5	11.5	289	4	US-09-726-651A-4	Sequence 4, Appl
42	291	11.1	263	1	US-07-901-707-4	Sequence 4, Appl
43	291	11.1	263	1	US-07-988-430-4	Sequence 4, Appl
44	291	11.1	263	1	US-08-425-336-4	Sequence 4, Appl
45	291	11.1	263	1	US-08-488-113B-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; CURRENT APPLICATION NUMBER: 674503-2003
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match 95.8%; Score 2505; DB 4; Length 564;
Best Local Similarity 91.9%; Pred. No 6.2e-274;
Matches 489; Conservative 2; Mismatches 39; Indels 2; Gaps 2;

QY	1	YERLRVTHQTGGXEYFRFITLLRDYVSGSFSNEIPLLRQSTIPVSDAQRVFLVELTN	60
DB	34	YERLRVTHQTGGXEYFRFITLLRDYVSGSFSNEIPLLRQSTIPVSDAQRVFLVELTN	93
QY	61	QGXDSXTAAIDVTNXXVWVAYQAGDSYFLRDAPRGAEHLFTGTRXSSLPFGXSYDLE	120
DB	94	QGGDSITAAIDVTNXXVWVAYQAGDSYFLRDAPRGAEHLFTGTRXSSLPFGXSYDLE	152
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DB	153	RYAGHRDQIPGLIXQIQSVXALRPGGSTRQARSILILIOIWEAARFNPTLWEXRQX	212
QY	181	INSXGSLPDXMYLETSWGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLXNRXVIAS	240
DB	213	INSXGSLPDXMYLETSWGQOSTQVQHSHTDGVFNPNPRLAIXXGNFVTLXNRXVIAS	272
QY	241	LAIMLVFCGERPSSSDVRYWPLVIRPVIADVTCSASEPTVIRVGRXGMXVDVDRDDFDH	300
DB	273	LAIMLVFCGERPSSSDVRYWPLVIRPVIADVTCSASEPTVIRVGRXGMXVDVDRDDFDH	332
QY	301	GNQIQLMFSKNNPNQNLTKRDXTKRSGSCLTGYTAGVYVMI FDCNTAVREATIW	360

us-09-601-667c-1.ra1

Sat Mar 22 10:41:04 2003

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; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 33
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Viscum album
; US-08-776-059-33

Query Match      48.5%; Score 1267.5; DB 4; Length 264;
Best Local Similarity 91.6%; Pred. No. 9.2e-135;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY 270 DDVTCASAEPTVRIVGRXGMKVDVDDDFDGNQIQIQLWPSKSNNDPNQIWKIKRDXTIRS 329
Db 2 DDVTCASAEPTVRIVGRXGMKVDVDDDFDGNQIQIQLWPSKSNNDPNQIWKIKRDXTIRS 61
QY 330 NGSLTTYGYTAGVYVMIFDCNTAVREATIWOIXNGTIIINPRSNLVLAASSGIGKGTTLT 389
Db 62 NGSLTTYGYTAGVYVMIFDCNTAVREATIWOIXNGTIIINPRSNLVLAASSGIGKGTTLT 121
QY 390 VQTLDTYLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVWVETCVSSQKQ-RWALYGD 449
Db 122 VQTLDTYLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVWVETCVSSQKQ-RWALYGD 180
QY 450 GSIRPKNQDQCLTXGRDSVSTVINIVSCSAGSGQRVWFTNEGAILNLKGLANDVAQA 509
Db 181 GSIRPKNQDQCLTXGRDSVSTVINIVSCSAGSGQRVWFTNEGAILNLKGLANDVAQA 240
QY 510 NPKLRRIIYPATGKPNQMWLPV 532
Db 241 NPKLRRIIYPATGKPNQMWLPV 263
; US-08-776-059-43

```

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; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
; US-08-776-059-31

Query Match      44.2%; Score 1155.5; DB 4; Length 253;
Best Local Similarity 91.7%; Pred. No. 3.8e-122;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY 1 YERLRLRVTHQTTGXEYFRFITLLRDYVSSGSFNEIPLLRSTIPVSDAQRFVLVELTN 60
; US-08-776-059-31

```

```

; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
; US-08-776-059-31

Query Match      44.2%; Score 1155.5; DB 4; Length 253;
Best Local Similarity 91.7%; Pred. No. 3.8e-122;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY 1 YERLRLRVTHQTTGXEYFRFITLLRDYVSSGSFNEIPLLRSTIPVSDAQRFVLVELTN 60
; US-08-776-059-31

```

```

; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
; US-08-776-059-31

Query Match      44.2%; Score 1155.5; DB 4; Length 253;
Best Local Similarity 91.7%; Pred. No. 3.8e-122;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY 1 YERLRLRVTHQTTGXEYFRFITLLRDYVSSGSFNEIPLLRSTIPVSDAQRFVLVELTN 60
; US-08-776-059-31

```


Sat Mar 22 10:41:04 2003

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-485-286-77

Query Match 42.4%; Score 1109.5; DB 1; Length 540;
Best Local Similarity 45.2%; Pred. No. 1.9e-116;
Matches 242; Conservative 79; Mismatches 195; Indels 19; Gaps 10;

Qy 9 THQTTGXEFRTILRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSX 66
Db 13 TADATVETNFIRAVRSHLTGADVRHEIPVLPNRVGLPIS--QRFILVELSNHAELSV 70

Qy 67 TAAIDVTNXYVAYQAGDOSYELR-DAPGAE--THLFTGTTXSSLPKFGSYXDLERYA 123
Db 71 TLALDVTNAYVVCGRAGNAYFPHDPNQDAEAITHLFTDVQNSFTFAFGGNYDRLEQLG 130

Qy 124 GHRDQIPLGIXLIQSVXAL---RXPGGSTRXQARSILILQIMISEAARFNPLWRXRX 180
Db 131 GLRENIELGTGPLEDAISALYYSTCGTQPTLARSFVVCIQMISEAARFQYIEGEMRTR 190

Qy 181 INSGXFLPDXYMLETSWGQOSTQVQHSHTDGFVNNPXLAIXXGNFVTLXNVXVVIAS 240
Db 191 IRYNRSAPDPSTVITLNSWGRSLTAIQESNOGAFASPIQLQRNGSKFNVDVSLIPI 250

Qy 241 LAIMLVCGERPSSDVRYWPLVRPIAD---DVTCSASEPTVRIYGRXGMXVDVDRDD 297
Db 251 IALMVYRCAPPSSQ-----FSLLRPVVFNADV-CMDPEPIVRIYGRNGLCVDVTGEE 305

Qy 298 PHDGNQIQLMPSKNNPDNQLWTKRDXTRISNGSLTYGTAGVYVMIPODNTAVREA 357
Db 306 PFDGNPQLWPKCKNTDWNQLWTKRDXTRISNGSLTYGTAGVYVMIPODNTAVREA 365

Qy 358 TIQIWNNGTIIIPRSLNVLAASSGKGTTLVOTLDVTLGQWGLAGNDTAPREVITYGF 417
Db 366 TRQIWNDRNTIIPRSGVLVLAATSNGSLTKLTQVNIYAVSQGLPTNTTQPFVTTI 425

Qy 418 RDLCHESKXGVSVVETCXSSQXQXWALYGDGSTRPKQNOQCLTXGRDVSVTINIVS 477
Db 426 YMCLOANSKGVLEDCSTSEKAEQ-QWALYADGSTRPKQNOQCLTNTDANIKGTVVKILS 484

Qy 478 CSXXSXQRWVTNEXAILNLKXXXXXVAAQANPKLRRIIYIPATGKXNQWMLPV 532
Db 485 CGPASSGQRWMPKNDGTILNLYGLVDRSDPSLKLQIIVHFFHGNLQIWLPL 539

RESULT 7
US-08-776-059-39
Sequence 39, Application US/08776059B
Patent No. 6271368
GENERAL INFORMATION:
APPLICANT: LENTZEN, Hans
APPLICANT: ECK, Juergen
APPLICANT: BAUR, Axel
APPLICANT: ZINKE, Holger
TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
FILE REFERENCE: 674503-2003
CURRENT APPLICATION NUMBER: US/08/776,059B
CURRENT FILING DATE: 1999-06-19
EARLIER APPLICATION NUMBER: PCT/EP96/02273
EARLIER FILING DATE: 1996-06-25
EARLIER APPLICATION NUMBER: 95109949.8
EARLIER FILING DATE: 1995-06-26
NUMBER OF SEQ ID NOS: 56
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 39
LENGTH: 235
TYPE: PRP
ORGANISM: Viscum album
US-08-776-059-39

Query Match 41.0%; Score 1073.5; DB 4; Length 235;
Best Local Similarity 91.9%; Pred. No. 6.1e-113;

Matches 217; Conservative 0; Mismatches 18; Indels 1; Gaps 1;

Qy 18 PRFTILRDYVSSGSFSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSXTAADVTNXYV 77
Db 1 PRFTILRDYVSSGSFSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSITAAIDVTNLYV 60

Qy 78 VAYQAGDOSYFLRDAPRGAETHLFTGTTXSSLPKFGSYXDLERYAGHRDQIPLGIXOLI 137
Db 61 VAYQAGDOSYFLRDAPRGAETHLFTGTTXSSLPKFGSYXDLERYAGHRDQIPLGIXOLI 119

Qy 138 OSVXALRXPGSGSTRXQARSILILQIMISEAARFNPLWRXRXINSXGSLFDPXYMLELE 197
Db 120 QSVTALRPFSGSTRXQARSILILQIMISEAARFNPLWRXRXINSXGSLFDPXYMLELE 179

Qy 198 TSWGQOSTQVQHSHTDGFVNNPXLAIXXGNFVTLXNVXVVIASLAIMLVCGERPSS 253
Db 180 TSWGQOSTQVQHSHTDGFVNNPXLAIXXGNFVTLXNVXVVIASLAIMLVCGERPSS 235

RESULT 8
US-08-378-761A-71
Sequence 71, Application US/08378761A
Patent No. 5635384
GENERAL INFORMATION:
APPLICANT: WALSH, TERENCE A
APPLICANT: HEY, TIMOTHY D
APPLICANT: MORGAN, ALICE ER
TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
TITLE OF INVENTION: USING
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESS: ANDREA T. BORUCKI
STREET: 9330 ZIONSVILLE ROAD
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: US
ZIP: 46268
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,761A
FILING DATE: 26-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BORUCKI, ANDREA T
REGISTRATION NUMBER: 33651
REFERENCE/DOCKET NUMBER: 38272B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 337-4846
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 250 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-761A-71

Query Match 17.1%; Score 447; DB 1; Length 250;
Best Local Similarity 41.7%; Pred. No. 3.5e-42;
Matches 105; Conservative 34; Mismatches 87; Indels 26; Gaps 7;

Qy 9 THQTTGXEFRTILRDYVSSGSFSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSXTA 68
Db 9 TEGATSQSYKQFIALRERL-RGGLIHDIPVLPDPT-TLQERNVITVELNSDSTESIEV 66

Qy 69 AIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTXSSLPKFGSYXDLERYAGHRD 127
Db 67 GIDVTNXYVAYRAGTQSYFLRDAPSSADYLTGTDD-HSLPFYGTGDLERWAHQSRQ 125

[illegible]

RESULT 10
 US-08-356-786-10
 ; Sequence 10, Application US/08356786
 ; Patent No. 5877305
 ; GENERAL INFORMATION:
 ; APPLICANT: Huston, James S.
 ; APPLICANT: Oppermann, Hermann
 ; APPLICANT: Houston, L. L.
 ; APPLICANT: Ring, David B.
 ; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
 ; TITLE OF INVENTION: Marker
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS: 15
 ; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
 ; STREET: Exchange Place, 53 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/356,786
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/831,967
 ; FILING DATE: 06-FEB-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Pitcher, Edmund R.
 ; REGISTRATION NUMBER: 27,829
 ; REFERENCE/DOCKET NUMBER: CRP-053
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 248-7000
 ; TELEFAX: (617) 248-7100
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 534 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-356-786-10

	Query Match	15.5%	Score 404.5	DB 2	Length 534
	Best Local Similarity	27.8%	Pred. No. 7	le-37	
	Matches 142	Conservative 76	Mismatches 170	Indels 123	Gaps 22
2y	9	THQTTGXSYFRITLLRDVYSSGS-FSNEIPLL-ROSTIPVSDAQRFVLVELTNOGXDSX	66		
db	16	TAGATVQSYTNFIRAVRGLTTGADVRIEIVLPNEVGLPIN--QRFLVELSNHHAELSV	73		
2y	67	TAAIDVTXKYVYVAYOAGQOSYFLR-DAPKGAE--TLHFTGTRXXSLPFXGSYXDLERYA	123		
db	74	TLALDVTINAYVVGVRAGNSAYFFHPDNQDEAAITHLFDVQNRNYTFAFGGVYDRLEOLA	133		
2y	124	GH-RDQIPLGIXQLLIQSVAL---RXPGGSTRXQARSILILIQMISEAAAFNPILWRXHQ	179		

MOLECULE TYPE: protein
US-07-901-707-1

Query Match 14.4%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.7e-34;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;

QY 9 THOTTGXEFRTILRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFVLVLTNCGXDSX 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVREHPVLPNVRGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDSQSYFLR-DAPRGAE--THLFTGTTRXSSLPXGXYDLERVA 123
Db 71 TLALDVTNAVVGVRAGNSAYFFHPDNQDEAETHLFTDVQNRVYTFAPGNGYDRLEQA 130
QY 124 GH-RDQIPGLGXQLQSVXAL--RXPGGSTRXQARSILILIQMISEAARFNPILMRXQ 179
Db 131 GNRENIELNGPLLEAEISALYYSTGGTQTLARSPFIICIQMISEAARFOYIEGEMT 190
QY 180 XINSXSFPLDPXYMLETSMGQOSTQVQHSDTGTVFNPNPRLAIXXGNFVTLXNVRXXVIA 239
Db 191 RIRYNRSAPDPSVITLNSWGRSLTAIQESNQGAFAPIQLQRNGSKFSYVDVSLIP 250
QY 240 SLAIMLFCVGERPSS 254
Db 251 IIALMVYRCAPPSS 265

RESULT 12

US-07-988-430-1
; Sequence 1, Application US/07988430
; Patent No. 5416202

GENERAL INFORMATION:

APPLICANT: Bernhard, Susan L.
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Lane, Julie A.
APPLICANT: Lei, Shau-Ping
TITLE OF INVENTION: Materials Comprising and Methods of
PREPARATION AND USE FOR RIBOSOME-INACTIVATING PROTEINS
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: Two First National Plaza, 20 South Clark
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/988,430
FILING DATE: 19921209
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 5416202 and, Greta E.
REGISTRATION NUMBER: 35302
REFERENCE/DOCKET NUMBER: 31133
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
TELEX: 25-3856

Db 134 GNRENIELNGPLLEAEISALYYSTGGTQTLARSPFIICIQMISEAARFOYIEGEMT 193
QY 180 XINSXSFPLDPXYMLETSMGQOSTQVQHSDTGTVFNPNPRLAIXXGNFVTLXNVRXXVIA 239
Db 191 RIRYNRSAPDPSVITLNSWGRSLTAIQESNQGAFAPIQLQRNGSKFSYVDVSLIP 253
QY 240 SLAIMLFCVGERPSSDVRYPVLPVADDDVTSASEPTVRIYGRXGMXYDVRDDDFH 299
Db 254 IIALMVYRCAPPSSQ---FSLIRPVVFNFNADVCMDFEQLV-----Q 295
QY 300 DGNQIQLPWSKNNPNQLWTIKRDXITFNSGSLTYG-----Y 339
Db 296 SGPELK-----KPGE--TVK--ISCKASGYTFANYGMNWKQAPGKGLKWMGWINTY 343
QY 340 TA-GVVV-----MIFDCNTAVREAIT-----WQTXNNGTIINPR 372
Db 344 TQSYIYADDFKRFAPFSLTSTAHLOINLNRNEDSATVFCARRFGFAYWGQGLVSVS 403
QY 373 SNLVLAAASGIGKTTLTUTVOTLDYTLGCGWLAGNDTAPREVITYGFRDLCMESXGWSVVE 432
Db 404 ASI---SSSGGGGS-----GGGGSG-----GGSDIQMTQSPSSLSAS 438
QY 433 -----TCXSSQ--XNQXW-ALYGDGSTR 453
Db 439 LGERVSLTCRASQDIGNSLTWLSQEPDGTIK 469

RESULT 11

US-07-901-707-1
; Sequence 1, Application US/07901707
; Patent No. 5376546

GENERAL INFORMATION:

APPLICANT: Bernhard, Susan L.
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Steve F.
APPLICANT: Lane, Julie A.
APPLICANT: Lei, Shau-Ping
TITLE OF INVENTION: Materials Comprising and Methods of
PREPARATION AND USE FOR RIBOSOME-INACTIVATING PROTEINS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: Two First National Plaza, 20 South Clark
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60603

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/901,707
FILING DATE: 19920619
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: No. 5376546 and, Greta E.
REGISTRATION NUMBER: 35302
REFERENCE/DOCKET NUMBER: 27129/30910
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-5750
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-988-430-1

Query Match 14.4%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.7e-34;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;

QY 9 THQTGXEYFFITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
Db 13 TAGATVQSYTTFIRAVRGLTTGADVREIPLVLPNRVGLPIN--ORFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYOAGDSYFLR-DAPRGAE--THLFTGTTXSSLPFXGSYXDLERYA 123
Db 71 TLALDVTNAYVVGYSAGNSAFFHEDNQEDAEATHLFTDQVNRVTFAGGNYDRLEQLA 130
QY 124 GH-RDQIPGLGXLIQSVKAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXQ 179
Db 131 GNLRNIELGNGPLEEASALYYSTGTGTQLPTLARSFIICIQMISEAARFOYIEGMRT 190
QY 180 XINSXSLPDPXYMLELTSWGQOSTQVQSTGDGVNPNPRLAIXXGNFVTLXNVRXVIA 239
Db 191 RIRYNRSAPDPSPVITLNSWGRLSTAQESNQGFASPIQLQRNGSKFSYDVDSILIP 250
QY 240 SLAIMLFVCGERPSS 254
Db 251 IIALMVYRCAPPSS 265

RESULT 13
US-08-218-303-16
Sequence 16, Application US/08218303
Patent No. 5547867

GENERAL INFORMATION:
APPLICANT: Kara, Bhupendra V.
APPLICANT: Hockney, Robert C.
APPLICANT: Fitton, John E.
TITLE OF INVENTION: FERMENTATION PROCESS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cushman, Darby & Cushman
STREET: 1615 L Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/218,303
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/841,533
FILING DATE: 26-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Kokulis, Paul N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: PNK/3893/94908/MJW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-218-303-16

Query Match 14.4%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.7e-34;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;

QY 9 THQTGXEYFFITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGXDSX 66
Db 13 TAGATVQSYTTFIRAVRGLTTGADVREIPLVLPNRVGLPIN--ORFILVELSNHAELSV 70
QY 67 TAAIDVTNXYVAYOAGDSYFLR-DAPRGAE--THLFTGTTXSSLPFXGSYXDLERYA 123
Db 71 TLALDVTNAYVVGYSAGNSAFFHEDNQEDAEATHLFTDQVNRVTFAGGNYDRLEQLA 130
QY 124 GH-RDQIPGLGXLIQSVKAL---RXPGGSTRXQARSILILIQMISEAARFNPILWRXQ 179
Db 131 GNLRNIELGNGPLEEASALYYSTGTGTQLPTLARSFIICIQMISEAARFOYIEGMRT 190
QY 180 XINSXSLPDPXYMLELTSWGQOSTQVQSTGDGVNPNPRLAIXXGNFVTLXNVRXVIA 239
Db 191 RIRYNRSAPDPSPVITLNSWGRLSTAQESNQGFASPIQLQRNGSKFSYDVDSILIP 250
QY 240 SLAIMLFVCGERPSS 254
Db 251 IIALMVYRCAPPSS 265

RESULT 14
US-08-425-336-1
Sequence 1, Application US/08425336
Patent No. 5621083

GENERAL INFORMATION:
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Studnika, Gary M.
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
TITLE OF INVENTION: Proteins
NUMBER OF SEQUENCES: 140
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,336
FILING DATE: 18-APR-1995
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/064,691
FILING DATE: 12-MAY-1993
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Thomas C.
REGISTRATION NUMBER: P-36,989
REFERENCE/DOCKET NUMBER: 31394
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-425-336-1

Query Match 14.4%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.7e-34;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
; QY 9 THOTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRVFLVELTNOGXDSX 66
; DB 13 TAGATVQSYTNFIRAVRGLTTGADVRLHPVLPNEVGLPIN--QRFILVELSNHAELSV 70
; QY 67 TAAIDVTNXYVAYQAGDQSYFLR-DAPRGAE--THLFTGTTRXSSLPFGXSYXDLERYA 123
; DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOQEDAEATHLFTDVQNRVYTFAGGNYDRLEOLA 130
; QY 124 GH-RDQIPLGIXQLIQSVXAL---RXPGGSTRXQARSILILQIMISEAARENFILWRXQ 179
; DB 131 GNLRENIELGNPLEEASALYYSTGGTQLPTLARSFIICQIMISEAARFQYIEGEMRT 190
; QY 180 XINGSGXFLPDXYMLELETSGWQQSTQVQHSSTDGVFNPNXRLAIXXGNFVTLXNVXVIA 239
; DB 191 RIRYNRSAPDPSVITLNSWGRLSTAIQESNOGAFASPIQLQRRNGSKFSVVDVILIP 250
; QY 240 SLAIMLFVCGGERPSS 254
; DB 251 IIALMVRCAPPSS 265

RESULT 15

US-08-488-113B-1
; Sequence 1, Application US/08488113B
; Patent No. 5744580
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,113B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,336
; FILING DATE: 18-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX: 650 388-1248
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-488-113B-1

Query Match 14.4%; Score 377.5; DB 1; Length 267;
Best Local Similarity 38.8%; Pred. No. 2.7e-34;
Matches 99; Conservative 41; Mismatches 104; Indels 11; Gaps 7;
; QY 9 THOTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRVFLVELTNOGXDSX 66
; DB 13 TAGATVQSYTNFIRAVRGLTTGADVRLHPVLPNEVGLPIN--QRFILVELSNHAELSV 70
; QY 67 TAAIDVTNXYVAYQAGDQSYFLR-DAPRGAE--THLFTGTTRXSSLPFGXSYXDLERYA 123
; DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOQEDAEATHLFTDVQNRVYTFAGGNYDRLEOLA 130
; QY 124 GH-RDQIPLGIXQLIQSVXAL---RXPGGSTRXQARSILILQIMISEAARENFILWRXQ 179
; DB 131 GNLRENIELGNPLEEASALYYSTGGTQLPTLARSFIICQIMISEAARFQYIEGEMRT 190
; QY 180 XINGSGXFLPDXYMLELETSGWQQSTQVQHSSTDGVFNPNXRLAIXXGNFVTLXNVXVIA 239
; DB 191 RIRYNRSAPDPSVITLNSWGRLSTAIQESNOGAFASPIQLQRRNGSKFSVVDVILIP 250
; QY 240 SLAIMLFVCGGERPSS 254
; DB 251 IIALMVRCAPPSS 265

Search completed: March 22, 2003, 09:59:33
Job time : 19.4506 secs

GenCore version 5.1.4.p5.4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-3
Perfect score: 1327
Sequence: 1 DDVTCASAEPTVRIVGRXGM.....RRRIIYPATGKPNQMWLPVX 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PTCUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267.5	95.5	263	4	US-08-776-059-43
2	1267.5	95.5	264	4	US-08-776-059-33
3	1267.5	95.5	564	4	US-08-776-059-35
4	726.5	54.7	540	1	US-08-378-761A-77
5	726.5	54.7	540	1	US-08-485-286-77
6	158.5	11.9	293	4	US-09-512-342-14
7	122	9.2	132	4	US-09-159-106-15
8	122	9.2	435	4	US-09-159-106-11
9	117.5	8.9	480	2	US-08-468-812-5
10	117.5	8.9	480	2	US-08-590-563-5
11	117.5	8.9	492	2	US-08-468-812-4
12	117.5	8.9	492	2	US-08-468-812-7
13	117.5	8.9	492	2	US-08-590-563-4
14	117.5	8.9	492	2	US-08-590-563-7
15	115.5	8.7	491	2	US-08-468-812-8
16	115.5	8.7	491	1	US-08-590-563-8
17	115	8.7	127	1	US-08-392-828C-39
18	115	8.7	127	3	US-09-330-945-39
19	109.5	8.3	507	4	US-09-130-337A-25
20	78.5	6.0	420	2	US-08-282-197C-63
21	79.5	6.0	420	2	US-08-282-197C-66
22	78.5	5.9	419	2	US-08-282-197C-64
23	78.5	5.9	419	2	US-08-282-197C-67
24	76	5.7	434	2	US-08-468-812-6
25	76	5.7	434	4	US-08-590-563-6
26	75.5	5.7	770	4	US-09-245-248B-31
27	74	5.6	704	3	US-08-792-832A-2

28	71	5.4	638	1	US-08-712-241-6	Sequence 6, Appli
29	70.5	5.3	517	2	US-08-967-508-19	Sequence 19, Appl
30	70.5	5.3	517	3	US-08-967-506-19	Sequence 19, Appl
31	70.5	5.3	517	5	PCT-US94-02552-19	Sequence 19, Appl
32	70.5	5.3	559	2	US-08-967-508-9	Sequence 9, Appli
33	70.5	5.3	559	3	US-08-967-506-9	Sequence 9, Appli
34	70.5	5.3	559	5	PCT-US94-02552-9	Sequence 9, Appli
35	70	5.3	325	2	US-08-828-922-3	Sequence 3, Appli
36	69.5	5.2	178	1	US-08-044-621D-32	Sequence 32, Appl
37	69.5	5.2	178	2	US-08-709-912-15	Sequence 15, Appl
38	69.5	5.2	178	2	US-09-047-370-15	Sequence 15, Appl
39	69.5	5.2	229	2	US-08-121-436A-4	Sequence 4, Appli
40	69.5	5.2	229	3	US-08-559-524A-4	Sequence 4, Appli
41	69.5	5.2	373	3	US-08-749-707-4	Sequence 4, Appli
42	69.5	5.2	1912	1	US-08-409-995-4	Sequence 4, Appli
43	69.5	5.2	1912	3	US-08-685-467-4	Sequence 4, Appli
44	69.5	5.2	2353	4	US-09-377-155-33	Sequence 33, Appli
45	69.5	5.2	2353	4	US-08-913-942-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; CURRENT APPLICATION NUMBER: 674503-2003
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match	95.5%	Score 1267.5;	DB 4;	Length 263;
Best Local Similarity	91.6%;	Pred. No. 7.1e-139;		
Matches 241;	Conservative	1;	Mismatches 20;	Indels 1;
Gaps	1;			
QY	1	DDVTCASAEPTVRIVGRXGMXVDVDDFDHGNQIQWLWPSKSNNDPNQWTIKRDXTIRS	60	
Db	1	DDVTCASAEPTVRIVGRXGMXVDVDDFDHGNQIQWLWPSKSNNDPNQWTIKRDXTIRS	60	
QY	61	NGSCLTYGYTAGVYVWIFDCNTAVREATIOWIXNGTINPESNLVLAASSGIGKGTTLT	120	
Db	61	NGSCLTYGYTAGVYVWIFDCNTAVREATIOWIXNGTINPESNLVLAASSGIGKGTTLT	120	
QY	121	VOTLDVTLGGWLAGNDTAPREVITYGFRDLQWESXGVSVMVETCSXSNQXKXWALYGD	180	
Db	121	VOTLDVTLGGWLAGNDTAPREVITYGFRDLQWESXGVSVMVETCSXSNQXKXWALYGD	180	
QY	181	GSIRPKQNDQCLTYGRDVSVTINIVSCSXXSXQXQWFTNEHAILNLKXXXXXVAQA	240	
Db	180	GSIRPKQNDQCLTYGRDVSVTINIVSCSXXSXQXQWFTNEHAILNLKXXXXXVAQA	240	
QY	241	NPKLRIIYPATGKPNQMWLPV	263	
Db	240	NPKLRIIYPATGKPNQMWLPV	262	

us-09-601-667c-3.ra1

Sat Mar 22 10:41:18 2003

US-08-776-059-35

RESULT 2
US-08-776-059-33
; Sequence 33, Application US/08776059B
; Patent No. 62711368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 33
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-33

Query Match 95.5%; Score 1267.5; DB 4; Length 264;
Best Local Similarity 91.6%; Pred. No. 7.2e-139;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;
QY 1 DDVTCASEPTVIRVGRGXMXVDVDDDFHDGNOIQIOWPSPKSNNDPNQIOWTIKRDXTIRS 60
DB 2 DDVTCASEPTVIRVGRGXMXVDVDDDFHDGNOIQIOWPSPKSNNDPNQIOWTIKRDXTIRS 61
QY 61 NGSLCTTYGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 120
DB 62 NGSLCTTYGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 121
QY 121 VOTLDYTLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVVWVETCVSSQKQ-RWALYGD 180
DB 122 VOTLDYTLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVVWVETCVSSQKQ-RWALYGD 180
QY 181 GSIRPKQNOQCLTGRDSVSTVINIVSCSXKXQXRVWFTNEXAILNLKXXXXDVAQA 240
DB 181 GSIRPKQNOQCLTGRDSVSTVINIVSCSXKXQXRVWFTNEXAILNLKXXXXDVAQA 240
QY 241 NPKLRRIIYPATGKPNQWMLPV 263
DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 3
US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album

US-08-776-059-35

Query Match 95.5%; Score 1267.5; DB 4; Length 564;
Best Local Similarity 91.6%; Pred. No. 2.1e-138;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;
QY 1 DDVTCASEPTVIRVGRGXMXVDVDDDFHDGNOIQIOWPSPKSNNDPNQIOWTIKRDXTIRS 60
DB 302 DDVTCASEPTVIRVGRGXMXVDVDDDFHDGNOIQIOWPSPKSNNDPNQIOWTIKRDXTIRS 361
QY 61 NGSLCTTYGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 120
DB 362 NGSLCTTYGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 421
QY 121 VOTLDYTLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVVWVETCVSSQKQ-RWALYGD 180
DB 422 VOTLDYTLGQWLAGNDTAPREVTIYGFRLDCMESNKGXSVVWVETCVSSQKQ-RWALYGD 480
QY 181 GSIRPKQNOQCLTGRDSVSTVINIVSCSXKXQXRVWFTNEXAILNLKXXXXDVAQA 240
DB 481 GSIRPKQNOQCLTGRDSVSTVINIVSCSXKXQXRVWFTNEXAILNLKXXXXDVAQA 540
QY 241 NPKLRRIIYPATGKPNQWMLPV 263
DB 541 NPKLRRIIYPATGKPNQWMLPV 563

RESULT 4
US-08-378-761A-77
; Sequence 77, Application US/08378761A
; Patent No. 5635384
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378, 761A
; FILING DATE: 26-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 540 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-378-761A-77

Query Match 54.7%; Score 726.5; DB 1; Length 540;
Best Local Similarity 53.3%; Pred. No. 1e-75;
Matches 138; Conservative 36; Mismatches 84; Indels 1; Gaps 1;

QY 5 CSASEPTVIRVGRXGMXVDVDDDFHGNQIQIOLWPSKSNNDPNQLWTIKRDXITIRNGSC 64
Db 282 CNDPEPIVIRVGRNGLCVDVTGEFFDGNPIQLWPKCSNTDNQLWTLRKDSTIRNGKC 341
QY 65 LTTYGYTAGVYVWIFDCNTAVREATIWIQXNGTIINPRSNLVLAASSGIGKTTLTVOQL 124
Db 342 LTIKSSPRQVVIYNCSTATVGTATRWQIWDNRITINPRSGVLVAATSGNSGKLTVOQN 401
QY 125 DYTLCGGWLAGNDTAPREVTIYGFRLCLMESNKGXSVVETCSXSOXNQXWALYDGSIR 184
Db 402 IYAVSQWLPNTNPTOPFVTTIVGLYGMCLQANSKWLEDCITSEKAEQ_QWALYADGSIR 460
QY 185 PKONODCLTXGRDVSSTVINIVSCSXSSXQXWVFTNEXAILNLKXXXXXDVQAQNPXL 244
Db 461 PQNRDNCILTTDANIKGTIVKILSCGPASSGQRMWPKNDGTITILNGLVLDVRRSDPSL 520
QY 245 RRIIYPATGKPNQWMLPV 263
Db 521 KQIIVHPFHGNLQNLWPL 539

RESULT 5

US-08-485-286-77
; Sequence 77, Application US/08485286
; Patent No. 5646026
; Patent No. 5646026 5646119

GENERAL INFORMATION:

; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,286
; FILING DATE:
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/378761
; FILING DATE: 26-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T

REGISTRATION NUMBER: 33651

REFERENCE/DOCKET NUMBER: 38272B

TELECOMMUNICATION INFORMATION:

; TELEPHONE: (317) 337-4846

INFORMATION FOR SEQ ID NO: 77:

SEQUENCE CHARACTERISTICS:

; LENGTH: 540 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-485-286-77

Query Match

Best Local Similarity 54.7%; Score 726.5; DB 1; Length 540;

Matches 138; Conservative 36; Mismatches 84; Indels 1; Gaps 1

QY 5 CSASEPTVIRVGRXGMXVDVDDDFHGNQIQIOLWPSKSNNDPNQLWTIKRDXITIRNGSC 64
Db 282 CNDPEPIVIRVGRNGLCVDVTGEFFDGNPIQLWPKCSNTDNQLWTLRKDSTIRNGKC 341
QY 65 LTTYGYTAGVYVWIFDCNTAVREATIWIQXNGTIINPRSNLVLAASSGIGKTTLTVOQL 124
Db 342 LTIKSSPRQVVIYNCSTATVGTATRWQIWDNRITINPRSGVLVAATSGNSGKLTVOQN 401
QY 125 DYTLCGGWLAGNDTAPREVTIYGFRLCLMESNKGXSVVETCSXSOXNQXWALYDGSIR 184
Db 402 IYAVSQWLPNTNPTOPFVTTIVGLYGMCLQANSKWLEDCITSEKAEQ_QWALYADGSIR 460
QY 185 PKONODCLTXGRDVSSTVINIVSCSXSSXQXWVFTNEXAILNLKXXXXXDVQAQNPXL 244
Db 461 PQNRDNCILTTDANIKGTIVKILSCGPASSGQRMWPKNDGTITILNGLVLDVRRSDPSL 520
QY 245 RRIIYPATGKPNQWMLPV 263
Db 521 KQIIVHPFHGNLQNLWPL 539

RESULT 6

US-09-512-342-14
; Sequence 14, Application US/09512342
; Patent No. 6388068

GENERAL INFORMATION:

; APPLICANT: SATOH, SHINOBU
; APPLICANT: MASUDA, SUSUMU
; TITLE OF INVENTION: METHOD FOR PRODUCING FOREIGN POLYPEPTIDE IN PLANT
; TITLE OF INVENTION: INTERCELLULAR FLUID
; FILE REFERENCE: 081356/0142
; CURRENT APPLICATION NUMBER: US/09/512,342
; CURRENT FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 14
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Cucumis sativus
US-09-512-342-14

Query Match

Best Local Similarity 11.9%; Score 158.5; DB 4; Length 293;

Matches 60; Conservative 27; Mismatches 98; Indels 39; Gaps 10;

QY 14 IVGRXGMXVDVDDDFHGNQIQIOLW-----PSK-----SNNDPNQLWTIKRDXITIR-- 59
Db 41 LVGRDGLCLEMSP-----WYKPAGINFPLRLSPCDEKKKOTQLWTIVGDGTIRPM 89
QY 60 SNGSCLTT---YGYTAGVYVWIFDCNTAVREATIWIQXNGTIINPRSNLVLAASSGIGK 116
Db 90 NDKFCLAAAEVFGVIN--KAVVSECGKVSYPNKKWTQKNDGTIALVDSRWVLTGDLDY-- 145
QY 117 TLTVOQLDYLTLGQWLAGNDTAPREVTIYGFRLCLMESNKGX--VVVETCSXSOXNQX 174
Db 146 --VTLQSNKYTFPSQSWEVTESLNSMVANIEWLNNCLQSTDDSSHVGLNGCNTDNKYQ-R 202
QY 175 WALYDGSIRPKQODCLTXGRDVSSTVINIVSCSXSSXQXW 218
Db 203 WALYADGTIRQHVKNKYCLTSDQDFGRFV--VVSKCEDKPKQQRW 244

RESULT 7

US-09-159-106-15
; Sequence 15, Application US/09159106
; Patent No. 6284509

GENERAL INFORMATION:

; APPLICANT: Ferrer, Pau
; APPLICANT: Diers, Ivan
; APPLICANT: Halkier, Torben
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme with -1,3-Glucanase
; TITLE OF INVENTION: Activity

FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 132
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match 9.2%; Score 122; DB 4; Length 132;
Best Local Similarity 33.3%; Pred. No. 1.6e-06;
Matches 41; Conservative 11; Mismatches 55; Indels 16; Gaps 5;
Qy 19 GNVVDRDDFDHGNQIQWLWPKSNNDPNQWLTKRDXTRNSGCLTYY--GYTAGVYV 76
Db 15 GNCVDVPWADPTDGNPVQIVTCSGN--AAQTWTRGSDGTVRALGKCLDVRDGSITRGA 72
Qy 77 MIFDCNTAVREATIWIQW---NGTIINPRSNLVLAASSGI---KGTTLTVOTLDVTLG 129
Db 73 QWTCN-----GTGAQKWAYDAGSKALRNPSQGLCLDATGGAPLRDQRLQWTCNGTTA 127

Qy 130 QGW 132
Db 128 QGW 130

RESULT 8
US-09-159-106-11
Sequence 11, Application US/09159106
Patent No. 6284509
GENERAL INFORMATION:
APPLICANT: Ferrer, Pau
APPLICANT: Diers, Ivan
APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
TITLE OF INVENTION: Activity
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 435
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match 9.2%; Score 122; DB 4; Length 435;
Best Local Similarity 33.3%; Pred. No. 8.6e-06;
Matches 41; Conservative 11; Mismatches 55; Indels 16; Gaps 5;
Qy 19 GNVVDRDDFDHGNQIQWLWPKSNNDPNQWLTKRDXTRNSGCLTYY--GYTAGVYV 76
Db 318 GNCVDVPWADPTDGNPVQIVTCSGN--AAQTWTRGSDGTVRALGKCLDVRDGSITRGA 375
Qy 77 MIFDCNTAVREATIWIQW---NGTIINPRSNLVLAASSGI---KGTTLTVOTLDVTLG 129
Db 376 QWTCN-----GTGAQKWAYDAGSKALRNPSQGLCLDATGGAPLRDQRLQWTCNGTTA 430

Qy 130 QGW 132
Db 431 QGW 433

RESULT 9
US-08-468-812-5
Sequence 5, Application US/08468812
Patent No. 5935836
GENERAL INFORMATION:
APPLICANT: Vehmaanper, Jari
APPLICANT: M ntyl, Arja
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
TITLE OF INVENTION: of Use
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-08-468-812-5

Query Match 8.9%; Score 117.5; DB 2; Length 480;
Best Local Similarity 31.4%; Pred. No. 3.3e-05;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;
Qy 22 VDVDRDDFDHGNQIQWLWPKSNNDPNQWLTKRDXTRNSGCLTYYGYTAGVYVIFD 80
Db 379 IDVNGNTADGTQVQLYDCHSGS--NQWYTTSSGEFRIFGNKCLDAGSSNGAVVQIYS 436
Qy 81 CNTAVREATIWIQWNGTIINPRSNLVLAASSGIKGTTLTVQ 122

Db 437 CWGGANQK--WELRADGTTIVGQSLCLDAVGGTGNGTRLQ 476

RESULT 10
US-08-590-563-5
; Sequence 5, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
US-08-590-563-5

Query Match 8.9%; Score 117.5; DB 4; Length 480;
Best Local Similarity 31.4%; Pred. No. 3.3e-05;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;
QY 22 VDVRRDDFDGNGIQIQLWPSKSNNDPNQLWTIKRDXITIRNSGS-CLTTYGYTAGVVMIFD 80
Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQQWTYSSGEFRIFGNKCLDAGGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWNGTIINPRSNLVLAASSGIKGTTLTVQ 122

Db 437 CWGGANQK--WELRADGTTIVGQSLCLDAVGGTGNGTRLQ 476

QY 81 CNTAVREATIWIWNGTIINPRSNLVLAASSGIKGTTLTVQ 122

Db 437 CWGGANQK--WELRADGTTIVGQSLCLDAVGGTGNGTRLQ 476

RESULT 11
US-08-468-812-4
; Sequence 4, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-812-4

Query Match 8.9%; Score 117.5; DB 2; Length 492;
Best Local Similarity 31.4%; Pred. No. 3.4e-05;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;
QY 22 VDVRRDDFDGNGIQIQLWPSKSNNDPNQLWTIKRDXITIRNSGS-CLTTYGYTAGVVMIFD 80
Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQQWTYSSGEFRIFGNKCLDAGGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWNGTIINPRSNLVLAASSGIKGTTLTVQ 122
Db 437 CWGGANQK--WELRADGTTIVGQSLCLDAVGGTGNGTRLQ 476

RESULT 12

us-09-601-667c-3.ra1

Sat Mar 22 10:41:18 2003

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US-08-468-812-7
; Sequence 7, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanker, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaieky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2540
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
; US-08-468-812-7

Query Match 8.9%; Score 117.5; DB 2; Length 492;
Best Local Similarity 31.4%; Pred. No. 3.4e-05;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VVDRDDDFHGNQIQLWPSKSNNDPNQLWTKRDXTIIRSGS-CLTTYGYTAGVYVMIFD 80
Db 379 IDVPNGNTADGTQVLYDCHSGS--NQOWTYTSSGGEFRIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIWNGTITINPRSNLVLAASSGIKGTTLTVQ 122
Db 437 CWGANOK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

RESULT 13
US-08-590-563-4
; Sequence 4, Application US/08590563
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmaanker, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaieky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-590-563-4

Query Match 8.9%; Score 117.5; DB 4; Length 492;
Best Local Similarity 31.4%; Pred. No. 3.4e-05;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VVDRDDDFHGNQIQLWPSKSNNDPNQLWTKRDXTIIRSGS-CLTTYGYTAGVYVMIFD 80
Db 379 IDVPNGNTADGTQVLYDCHSGS--NQOWTYTSSGGEFRIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIWNGTITINPRSNLVLAASSGIKGTTLTVQ 122
Db 437 CWGANOK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

RESULT 14
US-08-590-563-7
; Sequence 7, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
```

APPLICANT: Vehmaanper, Jari
 APPLICANT: Pajerstr m, Richard
 APPLICANT: Lantto, Raija
 APPLICANT: Pahoheimo, Marja
 APPLICANT: Suominen, Pirkko
 APPLICANT: Lahtinen, Tarja
 TITLE OF INVENTION: Production and Secretion of Proteins of
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W. Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/590,563
 FILING DATE: 26-JAN-1996
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/468,812
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/332,412
 FILING DATE: 31-OCT-1994
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/282,001
 FILING DATE: 29-JUL-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Bugalsky, Lawrence B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 1050.0340003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 492 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: AM50
 US-08-590-563-7

Query Match 8.9%; Score 117.5; DB 4; Length 492;
 Best Local Similarity 31.4%; Pred. No. 3.4e-05;
 Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3

QY 22 VDVRDDDFHGNQIOLWPSKSNNDPNOLWTKRDXTIRNGS-CLTITYGTAGVYVWIFD 80

Db 379 IDVPNGTADGTQVQYDCHSGS--NQWYTSSEGFIFGNKCLDAGGSSNGAVQIYS 436

QY 81 CNTAVREATIWIQXNGTIINPRSNLVLAASSGKGTTLTVQ 122

Db 437 CWGGAQK--WELRADGTIVGVSGICLDLVGGTGTNGTRLQ 476

RESULT 15

US-08-468-812-8

; Sequence 8, Application US/08468812

; Patent No. 5935836

; GENERAL INFORMATION:

; APPLICANT: Vehmaanper, Jari

APPLICANT: M ntyl, Arja
 APPLICANT: Pajerstr m, Richard
 APPLICANT: Lantto, Raija
 APPLICANT: Pahoheimo, Marja
 APPLICANT: Suominen, Pirkko
 APPLICANT: Lahtinen, Tarja
 APPLICANT: Kristo, Paula
 TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
 STREET: 1100 New York Ave., N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/468,812
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/332,412
 FILING DATE: 31-OCT-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/282,001
 FILING DATE: 29-JUL-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Bugalsky, Larry B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 1050.0340002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 491 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: M64551
 US-08-468-812-8

Query Match 8.7%; Score 115.5; DB 2; Length 491;
 Best Local Similarity 27.9%; Pred. No. 5.8e-05;
 Matches 39; Conservative 19; Mismatches 63; Indels 19; Gaps 6;

QY 7 ASPP-----TVRIYGRXGMXVDVDDDFHGNQIOLWPSKSNNDPNOLWTKRD 55

Db 354 SSEPPXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQLDCHSGT--NQWAAATDA 410

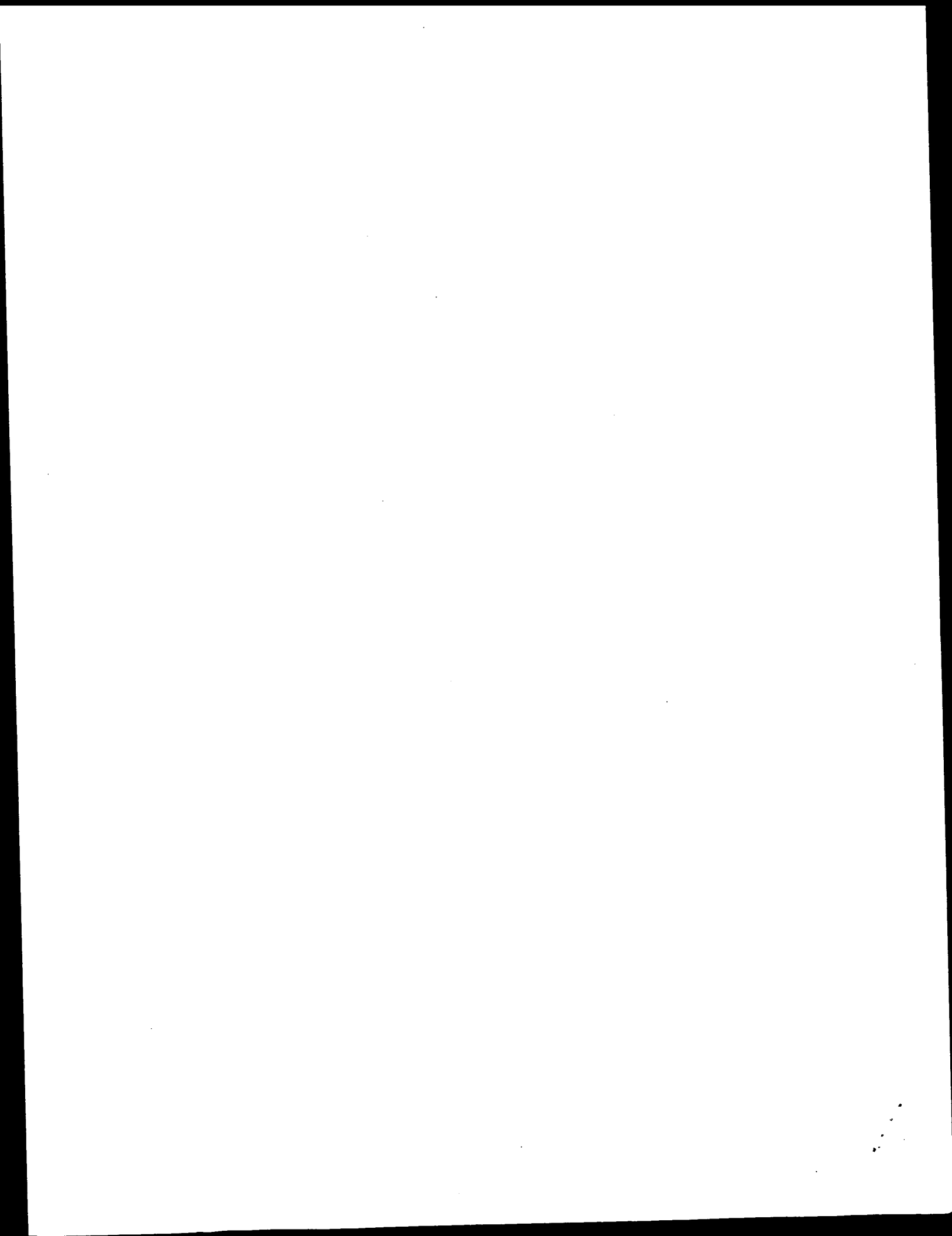
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QY 113 GIKGTTLTVTQTLDTLGGW 132

Db 469 TANGTLIQLYTCNSGNSQNRW 488

Search completed: March 22, 2003, 09:59:37
 Job time : 10.1481 secs



GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 18.7635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-40

Perfect score: 2626

Sequence: 1 YERLRLRVHTQTGXEYFRP.....RRIIYPATGKNQMWLPVX 534

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Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1267.5	48.3	263	10	US-09-347-064-10
2	1267.5	48.3	267	10	US-09-347-064-4
3	1155	44.0	252	10	US-09-347-064-8
4	1151	43.8	252	10	US-09-347-064-2
5	301	11.5	247	9	US-09-792-793A-39
6	278.5	10.5	247	9	US-09-792-793A-34
7	275	10.5	332	10	US-09-765-527-251
8	271.5	10.3	251	10	US-09-765-527-247
9	268.5	10.2	293	10	US-09-765-527-259
10	268.5	10.2	309	10	US-09-765-527-253
11	233.5	8.9	250	9	US-09-792-793A-36
12	165	6.3	263	10	US-09-878-274A-4
13	163	6.3	314	10	US-09-978-274A-2
14	163.5	6.2	275	9	US-09-792-793A-35
15	162	6.2	145	12	US-10-074-527-5
16	162	6.2	254	9	US-09-792-793A-85
17	162	6.2	327	9	US-09-792-793A-79
18	162	6.2	330	9	US-09-792-793A-82
19	162	6.2	332	9	US-09-792-793A-73

20	162	6.2	332	9	US-09-792-793A-76	Sequence 76, Appl
21	119.5	4.6	135	9	US-09-973-457-5	Sequence 5, Appl
22	119.5	4.6	135	12	US-10-074-527-6	Sequence 6, Appl
23	119	4.5	110	10	US-09-978-274A-8	Sequence 8, Appl
24	118	4.5	323	9	US-09-792-793A-80	Sequence 80, Appl
25	118	4.5	325	9	US-09-792-793A-81	Sequence 81, Appl
26	117.5	4.5	480	10	US-09-770-621-4	Sequence 5, Appl
27	117.5	4.5	492	10	US-09-770-621-4	Sequence 4, Appl
28	117.5	4.5	492	10	US-09-770-621-7	Sequence 7, Appl
29	115.5	4.4	491	10	US-09-770-621-8	Sequence 8, Appl
30	113	4.3	325	9	US-09-792-793A-74	Sequence 74, Appl
31	113	4.3	327	9	US-09-792-793A-75	Sequence 75, Appl
32	112	4.3	247	9	US-09-792-793A-83	Sequence 83, Appl
33	112	4.3	249	9	US-09-792-793A-84	Sequence 84, Appl
34	112	4.3	320	9	US-09-792-793A-77	Sequence 77, Appl
35	112	4.3	322	9	US-09-792-793A-78	Sequence 78, Appl
36	112	4.3	325	9	US-09-792-793A-71	Sequence 71, Appl
37	112	4.3	326	10	US-09-334-477-37	Sequence 37, Appl
38	112	4.3	327	9	US-09-792-793A-72	Sequence 72, Appl
39	112	4.3	690	10	US-09-334-477-47	Sequence 47, Appl
40	112	4.3	708	10	US-09-334-477-33	Sequence 33, Appl
41	111.5	4.2	293	9	US-09-792-793A-37	Sequence 37, Appl
42	111.5	4.2	315	10	US-09-334-477-2	Sequence 2, Appl
43	111.5	4.2	323	10	US-09-334-477-21	Sequence 21, Appl
44	106.5	4.1	318	10	US-09-334-477-6	Sequence 6, Appl
45	106.5	4.1	326	10	US-09-334-477-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1

US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1

; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger

; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT

; ORGANISM: Viscum album
US-09-347-064-10

Query Match 48.3% Score 1267.5; DB 10; Length 263;
Best Local Similarity 91.6%; Pred. No. 1.2e-123;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

Qy 271 DDVTCASAEPTVRIVGRXGMXVDVDRDDFDGNGQIQLWPSKSNNDPNQIWKRTXTIRS 330

Db 1 DDVTCASAEPTVRIVGRXGMXVDVDRDDFDGNGQIQLWPSKSNNDPNQIWKRTXTIRS 60

Qy 331 NGSLTYGYTAGVYVIMFDNCNTAVREATIWIQXNGTIIINPRNLVLAASSGIKGTILT 390

Db 61 NGSLTYGYTAGVYVIMFDNCNTAVREATIWIQXNGTIIINPRNLVLAASSGIKGTILT 120

Qy 391 VQTLDTYLGGWLAGNDTAPREVTIYGRDLCMESNGXSVVETCSXQXNXXWALYGD 450

Db 121 VQTLDTYLGGWLAGNDTAPREVTIYGRDLCMESNGXSVVETCSXQXNXXWALYGD 179

QY 451 GSIRPKQNDQCLTXGRDSVSTVINIVSCSXXSXQXWVFTNEXAILNLKXXXXXDVAAQ 510
Db 180 GSIRPKQNDQCLTXGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKNGLAMDVAQA 239
QY 511 NPKLRRIIYPATGKNQWLPV 533
Db 240 NPKLRRIIYPATGKNQWLPV 262

RESULT 2
US-09-347-064-4
; Sequence 4, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-4

Query Match 48.3%; Score 1267.5; DB 10; Length 267;
Best Local Similarity 91.6%; Pred. No. 1.2e-123;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY 271 DDVTCASPTVRIIVGRXGMXVDVDDDFHGDGQIOLWPSKSNNDPNOLWTKRDXTIRS 330
Db 1 DDVTCASPTVRIIVGRXGMXVDVDDDFHGDGQIOLWPSKSNNDPNOLWTKRDXTIRS 60
QY 331 NGSCLTYYGTAGVYVWIFDCNTAVREATIWIQXNGTIIINPSNLVLAASSGKGTTLT 390
Db 61 NGSCLTYYGTAGVYVWIFDCNTAVREATIWIQXNGTIIINPSNLVLAASSGKGTTLT 120
QY 391 VQTLDYTLQGGWLAGNDTAPREVITYGFRDLCMESXNGSVVWVETCSQXNQXWALYGD 450
Db 121 VQTLDYTLQGGWLAGNDTAPREVITYGFRDLCMESXNGSVVWVETCSQXNQ-RWALYGD 179
QY 451 GSIRPKQNDQCLTXGRDSVSTVINIVSCSXXSXQXWVFTNEXAILNLKXXXXXDVAAQ 510
Db 180 GSIRPKQNDQCLTXGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKNGLAMDVAQA 239
QY 511 NPKLRRIIYPATGKNQWLPV 533
Db 240 NPKLRRIIYPATGKNQWLPV 262

RESULT 3
US-09-347-064-8
; Sequence 8, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A

; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-8

Query Match 44.0%; Score 1155; DB 10; Length 252;
Best Local Similarity 91.3%; Pred. No. 5.5e-112;
Matches 232; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY 1 YERLRVRVTHQTTGXGYFRFTLLRDYVSSGSFSNEIPLLRQSTIPVSDAQRFLVVELTN 60
Db 1 YERLRVRVTHQTTGXGYFRFTLLRDYVSSGSFSNEIPLLRQSTIPVSDAQRFLVVELTN 60
QY 61 QGXDSTAAIDVTNXYVYVAYQAGDSYFLRDAPRGAETHLFTGTTTRDRSSLPFXGSYXDL 120
Db 61 QGDSITTAIDVTNLYVYVAYQAGDSYFLRDAPRGAETHLFTGTT--RSSLPFXGSYXDL 118
QY 121 ERYAGHRDQIPLGIXQLIQSVXALRXPGRSTRXQARSILILIQMISEAARFNPILWRXQ 180
Db 119 ERYAGHRDQIPLGIXQLIQSVXALRXPGRSTRXQARSILILIQMISEAARFNPILWRARQ 178
QY 181 XINGSGFLPDYXMLETSGQOSTQVQHSYDGVFNNPXLAIXXGNFVTLXNVXVIA 240
Db 179 YINSGASFLPDYXMLETSGQOSTQVQHSYDGVFNNPXLAIXXGNFVTLXNVXVIA 238
QY 241 SLAIMLFVCGERPS 254
Db 239 SLAIMLFVCGERPS 252

RESULT 4
US-09-347-064-2
; Sequence 2, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-2

Query Match 43.8%; Score 1151; DB 10; Length 252;
Best Local Similarity 91.3%; Pred. No. 1.4e-111;
Matches 231; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY 1 YERLRVRVTHQTTGXGYFRFTLLRDYVSSGSFSNEIPLLRQSTIPVSDAQRFLVVELTN 60
Db 2 YERLRVRVTHQTTGXGYFRFTLLRDYVSSGSFSNEIPLLRQSTIPVSDAQRFLVVELTN 61
QY 61 QGXDSTAAIDVTNXYVYVAYQAGDSYFLRDAPRGAETHLFTGTTTRDRSSLPFXGSYXDL 120

Db 62 QGGDSITAAIDVTNLYVAVYAGQDSYFLRDPARGAETHLFTGTT--RSSLPFNGSPDL 119
QY 121 ERYAGHRDQPLGIXQLIQSVXALRXPGGSTRXQARSILILIQMISEAARENPIILWRXQ 180
Db 120 ERYAGHRDQPLGIXQLIQSVTALRFPGGSTRXQARSILILIQMISEAARENPIILWRARQ 179
QY 181 XINSXSFLEDPXMYLETSWQOSTQVHSTGDFVNNPXRRLAIXXGNFVTLXNVXVIA 240
Db 180 YINSGASFLDPVYMYLETSWQOSTQVHSTGDFVNNPXRRLAIXXGNFVTLXNVXVIA 239
QY 241 SLAIMLFCGERP 253
Db 240 SLAIMLFCGERP 252

RESULT 5

US-09-792-793A-39
; Sequence 39, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 39
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Trichosantheus kirilowii
US-09-792-793A-39

Query Match 11.5%; Score 301; DB 9; Length 247;
Best Local Similarity 34.6%; Pred. No. 2.4e-23;
Matches 83; Conservative 50; Mismatches 93; Indels 14; Gaps 94
QY 13 TGXEYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGKXDAIDV 72
Db 10 TSSSYGVFISNLKALPNERKLYDIPLR--SSLPGS--QRYALHILTNVADETISVAIDV 66
QY 73 TNXYVAVYAGQDSYFLRDA--PRGAETHLFTGTTDRSSLPFGXSYXDLERYAGH--RDQI 130
Db 67 TNVYIMGYRAGDTSYFFNEASATEAKYVFKDNR--KVTLPYSGNYERLQTAACKIRENI 125
QY 131 PLGIXQLIQSVXALRXPGGSTRXQARSILILIQMISEAARENPIILWRXQKXSGSFLP 190
Db 126 PLGLPALDSAITTLFYNNANS--AASALMVLIQSTSEAAARYKFTEQQTIGKRVDR--TFLP 181
QY 191 DXMYLETSWQOSTQVQ--HSTDGVNPNPXRRLAIXXGNFVTLXNVX--VIASLAIML 246
Db 182 SLAIIISLENSWSALSKQIQTASTNNGQFESPVVLINAQNRQVTTINVDAGVVTNSIALLL 241

RESULT 6

US-09-792-793A-34
; Sequence 34, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 34
; LENGTH: 247

; TYPE: PRT
; ORGANISM: Bryonia dioica
US-09-792-793A-34
Query Match 10.6%; Score 278.5; DB 9; Length 247;
Best Local Similarity 31.2%; Pred. No. 5.3e-21;
Matches 77; Conservative 52; Mismatches 101; Indels 17; Gaps 8;
QY 7 RVTHQTTXBYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGKXDSX 66
Db 5 RLSGATT--TSYGVFIKRLREALPYERKVNIPLLRSS--ISGSGRYVTLHLTNVADETI 60
QY 67 TAAIDVTNXYVAVYAGQDSYFLRDPARGAETHLFTGTTDRSSLPFGXSYXDLERYAGH 126
Db 61 SVAVDVTNXYVIMGYLAGDVSYFFNEASATEAKYVFKDNRKVTLPYSGNYERLQTAAGK 120
QY 127 -RDQIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQMISEAARENPIILWRXQXINS 185
Db 121 IRENIPGLPALDSAITTLFYNNANS--AASALMVLIQSTSEAAARYKFTEQQTIGKRVDR- 177
QY 186 XSELPDXMYLETSWQOSTQVQ--HSTDGVNPNPXRRLAIXXGN--FVTLXNVXV 239
Db 178 -TFLPALDSAITTLFYNNANS--AASALMVLIQSTSEAAARYKFTEQQTIGKRVDR- 234
QY 240 ASLAIML 246
Db 235 SNIALLL 241

RESULT 7

US-09-765-527-251
; Sequence 251, Application US/09765527
; Patent No. US20020006638A1
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; TITLE OF INVENTION: Methods for Recombinant Microbial Production of
; FUSION PROTEINS AND BPI-DERIVED PEPTIDES
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,527
; FILING DATE: 18-Jan-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/621,803
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25,447
; REFERENCE/DOCKET NUMBER: 27129/33199
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 251:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 251:
US-09-765-527-251

7:

7:

[illegible][illegible][illegible]

QY 65 SXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFXGSYXDLERYA 124
Db 85 LAETAIDVTSYVVGQYVRNRSYFFKADAPDAAYEGLFNKTIKTR--LHFGGTYPSELEK 142
QY 125 GHRQDIPGLIXQL---IQSVXALRPGGSTRXQARSILILIQMISEAARF---NPILWR 177
Db 143 AYRETTDLGIEPLRIGIKLDENADINYPKTEIASSLLVLIQWSEAAARFTFIENQIRNN 202
QY 178 XROKINGXSLPDXMYLELTSNGQOSTQVQHS--TDGVFNPNPRLAIXXGNFVTLXNVR 236
Db 203 FQORIR-----PANNTISLENKWKLSFQIRTSANGMFSEAVELERANGKYYVTVAVD 256
QY 237 XVIASLAIMLFV 248
Db 257 QVKPKIALLKFEV 268

RESULT 10
US-09-765-527-253
; Sequence 253, Application US/09765527
; Patent No. US20020006638A1
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; TITLE OF INVENTION: Methods for Recombinant Microbial Production of
; Fusion Proteins and BFI-Derived Peptides
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 18-Jan-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/621,803
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25,447
; REFERENCE/DOCKET NUMBER: 27129/33199
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 253:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 309 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 253:
US-09-765-527-253

Query Match 10.2%; Score 268.5; DB 10; Length 309;
Best Local Similarity 32.9%; Pred. No. 7.9e-20;
Matches 83; Conservative 35; Mismatches 113; Indels 21; Gaps 7
QY 8 VTHQTTGXEFRTILRDY---VSSGSFNEIPLLRQSTIPVSDAQRFLVLTNGXD 64
Db 27 VSFSTKGATITYVNFLELRVVKLPKPNHSHGIPLLRKKC--DDPGKCFVLVLSNDNGQ 84
QY 65 SXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFXGSYXDLERYA 124
Db 85 LAETAIDVTSYVVGQYVRNRSYFFKADAPDAAYEGLFNKTIKTR--LHFGGTYPSELEK 142

QY 125 GHRQDIPGLIXQL---IQSVXALRPGGSTRXQARSILILIQMISEAARF---NPILWR 177
Db 143 AYRETTDLGIEPLRIGIKLDENADINYPKTEIASSLLVLIQWSEAAARFTFIENQIRNN 202
QY 178 XROKINGXSLPDXMYLELTSNGQOSTQVQHS--TDGVFNPNPRLAIXXGNFVTLXNVR 236
Db 203 FQORIR-----PANNTISLENKWKLSFQIRTSANGMFSEAVELERANGKYYVTVAVD 256
QY 237 XVIASLAIMLFV 248
Db 257 QVKPKIALLKFEV 268

RESULT 11
US-09-792-793A-36
; Sequence 36, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 36
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Momordica charantia
US-09-792-793A-36

Query Match 8.9%; Score 233.5; DB 9; Length 250;
Best Local Similarity 30.9%; Pred. No. 2.5e-16;
Matches 68; Conservative 30; Mismatches 89; Indels 33; Gaps 6
QY 6 LRVTHTTGXYEFRITLLRDYVSSGSFNEIPLLRQSTIPVSDAQRFLVLTNGXDS 65
Db 10 LDLNPTT---YLSFITNIRTKVADKTEQCTI-----QKSKTFTQRYSIDLVSTQK 61
QY 66 XTAIDVTNXYVAY---QAGDOSYFLRDAPRGAETHLFTGTT--RDRSSLPFXGSYXDL 120
Db 62 ITAIDMADLYVLGYSDIANNKGRAFFKDVTEAVANNFPFGATGTNRKLTFTGSGDL 121
QY 121 ERVAGHEDQIPGLIXQLIQSVXALRPGGSTRXQARSILILIQMISEAARENPIWRXQ 180
Db 122 EKNGGLRDNPLGIFRLFLENSIVNYGKAGDVKKQAKFFLLAIQWSEAAARPKYI----- 175
QY 181 XINGXSFLP-----DXYMLELTSNGQOSTQVQHS 211
Db 176 -----SDKIPSEKVEEVTVDYMTALENNWAKLSTAVNS 210

RESULT 12
US-09-978-274A-4
; Sequence 4, Application US/09978274A
; Patent No. US20020116737A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Christopher
; APPLICANT: McPherson, Michael
; APPLICANT: Atkinson, Howard
; APPLICANT: Neelam, Anil
; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
; FILE REFERENCE: 9341-028
; CURRENT APPLICATION NUMBER: US/09/978,274A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 0025225.4
; NUMBER OF SEQ ID NOS: 10-14
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4
; LENGTH: 263

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; TYPE: PRT
; ORGANISM: Phytolacca americana
US-09-978-274A-4

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Query Match	6.3%	Score 165;	DB 10;	Length 263;
Best Local Similarity	23.0%;	Pred. No. 3.5e-09;		
Matches	60;	Conservative 45;	Mismatches 112;	Indels 44;
Gaps				
Qy	16	EYFFPITLLRDYVSSGFSNEIPLLRSTIPV----	SDAQRFVLVELTNGQXDSTAAID 71	
	:	:	:	:
	:	:	:	:
	:	:	:	:
Db	16	KYATFMESLRNAQD-----	PKLCYGIPLMDTNSTPKYLLVKIQGANLKTITMLR 68	
	:	:	:	:
	:	:	:	:
	:	:	:	:
Qy	72	VTNXVYVAYQAGDQSYFLRDAPRG--AETHLF-----	TGTRDRSSSLP 112	
	:	:	:	:
	:	:	:	:
	:	:	:	:
Db	69	RNNLYVMGYIS-----	DPFNKNCRYHFNIDTSTERTDVENTLCSSSSRVAMVIN 119	
	:	:	:	:
	:	:	:	:
	:	:	:	:
Qy	113	FXGSGYXDLERYA--GHRDQJPLGIXQLIQSVXALRPGG--STRXQARSILILQMISEAA 169		
	:	:	:	:
	:	:	:	:
	:	:	:	:
Db	120	YNSLYPTMEKAEVNSRNQVLGQILUSSDIGKISGVDSFPVKTEAFFLLVALQMWSEAA 179		
	:	:	:	:
	:	:	:	:
	:	:	:	:
Qy	170	RFPNPILWRXRXQINSXGSFLPDXYMLETLSWGOQSTQVQHSTGDGVFNPNPRLAIXXGNF 229		
	:	:	:	:
	:	:	:	:
	:	:	:	:
Db	180	RFKYI--ENQVKTNFNEAFYDPDPKVINLEEKWKGISAIHNKNAGNALPKPLELVDAKGTK 237		
	:	:	:	:
	:	:	:	:
	:	:	:	:
Qy	230	VTLXNVRXVITASLAIMLFCVG 250		
	:	:	:	:
	:	:	:	:
	:	:	:	:
Db	238	WIVLRVDEINRDVALLKYVNG 258		
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	:	:	:	:

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RESULT 13
US-09-978-274A-2
; Sequence 2, Application US/09978274A
; Patent No. US20020116737A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Christopher
; APPLICANT: McPherson, Michael
; APPLICANT: Atkinson, Howard
; APPLICANT: Neelam, Anil
; TITLE OF INVENTION: PLANT CELL DEATH
; FILE REFERENCE: 9341-028
; CURRENT APPLICATION NUMBER: US/09/978274A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 0029225.4
; PRIOR FILING DATE: 2000-10-14
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Phytolacca americana
US-09-978-274A-2

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Query Match	6.3%	Score 165;	DB 10;	Length 314;	
Best Local Similarity	23.0%;	Pred. No. 4.5e-09;			
Matches	60;	Conservative 45;	Mismatches 112;	Indels 44;	Gaps
Qy	16	EYFRTITLLRDYVSSGSFNEIPLLRQSTIPV----	SDAQRFVLVELTNOGQSDSTAALD	71	
Db	39	KYATMESLRNQAKD-----	PKLKCVGIPMLPTDNTPKVLLVKLOGANUKTITMLR	91	
Qy	72	VTNXVYVAYQAGDQSYFLRDAPRG--	AETHLP-----	TGTRDRSSLP	112
Db	92	RNNLYVMGYS-----	DPENGKRCRYHIFNDITSTERTDVENTLCSSSSRVAMGIN	142	
Qy	113	FXGSGYKDLERVA--	GHRDQIPGIXOLIQSVXALKRPG--	STRXQARSILILIOIMISAA	169
Db	143	YNSLYPTWEKKAENVSRNQVQLGILSSDIGIKISGVDSFPVKTEAFLFLVALQWSEAA	202		
Qy	170	RNPFLWRXRQXINGSGFLPDXYMLELETSGQOSTQVOHSTDGVDNNPXPRLAIXGNF	229		
Db	203	RFKYI--	ENQVKTNFNFAYFPDPKVINLEEKWGKYSIAIHNAKNALPKPLELVDKGTK	260	
Qy	230	VTLXNWRXVIAISLAIMLFVCG	250		

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Db      261 WIVLRVDEINRDVALKYNG 281
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RESULT 14-
US-09-792-793A-35
? Sequence 35, Application US/0979232
? Patent No. US20020168370A1
? GENERAL INFORMATION:
? APPLICANT: McDonald, John R.
? APPLICANT: Cogging, Philip
? TITLE OF INVENTION: METHODS AND
? TITLE OF INVENTION: OTHER INFRA
? FILE REFERENCE: 25020-601D
? CURRENT APPLICATION NUMBER: US/0700
? CURRENT FILING DATE: 2001-02-22
? NUMBER OF SEQ ID NOS: 93
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 35
? LENGTH: 275
? TYPE: PRT
? ORGANISM: Saponaria officinalis
US-09-792-793A-35

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Query Match.	6.2%;	Score	163.5;	DB	9;	Length	275;
Best Local Similarity	26.4%;	Pred. No.	5.3e-09;				
Matches	76;	Conservative	47;	Mismatches	114;	Indels	51;
Gaps	14;						
Qy	4	LRLRVHTQTTGXEFYRITLLRDVSSGSFSEIPLLRQ-----STIPVSDAQRFLVLEL	58				
Db	4	ITLDVNPAG-QYSSFVDKIRNVKD-----PNLKYGGTDAVIGPPSKKEFLRINF	55				
Qy	59	TNQGSDSXTRAAIDVTKXYVAYOAGD-----QSYFLRDAPGAE-THLF-TGTRDRSS	110				
Db	56	QSSRGTVSLGLKRD-NLYVVAYLAMONTNVNRAYIRSEITSAESTPALPEATANOKA	113				
Qy	111	LPFGSXDXDLERYA-----GHRDQIPLGIQXQLQSVKALFXPGGSTRXQARSILIIQM	164				
Db	114	LEYTEDYQSEIKNAQITQGDQSRKELGLIGDILLSTSEAVNKKARVVKDEARFLLIAIQM	173				
Qy	165	ISEAARENPILWRXOXI---NSCXSLPDXMYLELSTSWCQOSTQVQ-HSTDGVFNPNPX	220				
Db	174	TAEARF-----RYIONLIVIKFNKFNSENKVLQFVFNWKKIISTAIYGDRAKGVFNKDY	228				
Qy	221	RLAIXXGNFVTLXNVXVXIASLAIMLFVCGBERPSSDV-----RYWPL	263				
bh	279	DFG-----FGKRVQVKDLOMGLLWYLGPKPSSNEANSTVRHYGPL	268				

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RESULT 15
US-10-074-527-5
; Sequence 5, Application US/10074527
; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: MPI2001-018PIRCp1(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus

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GenCore version 5.1.4.P5.4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 8.99525 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-41

Perfect score: 1223

Sequence: 1 YERLRLVTHQTGXEFYFR.....XVIASLAIMLFVCGERPSSS 256

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1:	/cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2:	/cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3:	/cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4:	/cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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8:	/cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9:	/cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
10:	/cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
11:	/cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
12:	/cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
13:	/cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
14:	/cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
15:	/cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1155	94.4	252	10	US-09-347-064-8
2	1151	94.1	252	10	US-09-347-064-2
3	301	24.6	247	9	US-09-792-793A-39
4	278.5	22.8	247	9	US-09-792-793A-34
5	271.5	22.2	251	10	US-09-765-527-247
6	268.5	22.0	293	10	US-09-765-527-259
7	268.5	22.0	309	10	US-09-765-527-253
8	268.5	22.0	332	10	US-09-765-527-251
9	233.5	19.1	250	9	US-09-792-793A-36
10	165	13.5	263	10	US-09-978-274A-4
11	165	13.5	314	10	US-09-978-274A-2
12	162	13.2	254	9	US-09-792-793A-85
13	162	13.2	275	9	US-09-792-793A-35
14	162	13.2	327	9	US-09-792-793A-79
15	162	13.2	330	9	US-09-792-793A-82
16	162	13.2	332	9	US-09-792-793A-73
17	162	13.2	332	9	US-09-792-793A-82
18	119	9.7	110	10	US-09-978-274A-8
19	118	9.6	323	9	US-09-792-793A-80

20	118	9.6	325	9	US-09-792-793A-81
21	113	9.2	325	9	US-09-792-793A-74
22	113	9.2	327	9	US-09-792-793A-75
23	112	9.2	247	9	US-09-792-793A-83
24	112	9.2	249	9	US-09-792-793A-84
25	112	9.2	320	9	US-09-792-793A-77
26	112	9.2	322	9	US-09-792-793A-78
27	112	9.2	325	9	US-09-792-793A-71
28	112	9.2	326	10	US-09-334-477-37
29	112	9.2	327	9	US-09-792-793A-72
30	112	9.2	690	10	US-09-334-477-47
31	112	9.2	708	10	US-09-334-477-33
32	111.5	9.1	293	9	US-09-792-793A-37
33	111.5	9.1	315	10	US-09-334-477-2
34	111.5	9.1	323	10	US-09-334-477-21
35	106.5	8.7	318	10	US-09-334-477-6
36	106.5	8.7	326	10	US-09-334-477-25
37	106	8.7	319	9	US-09-792-793A-38
38	106	8.7	319	9	US-09-870-759-28
39	105.5	8.6	329	10	US-09-334-477-39
40	105.5	8.6	711	10	US-09-334-477-35
41	105	8.6	694	10	US-09-334-477-49
42	71.5	5.8	582	10	US-09-815-242-14006
43	69	5.6	426	9	US-10-101-464A-124
44	69	5.6	890	9	US-10-101-464A-958
45	69	5.6	1270	9	US-10-101-464A-979

ALIGNMENTS

RESULT 1

US-09-347-064-8
; Sequence 8, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-8

Query Match

Best Local Similarity 94.4%; Score 1155; DB 10; Length 252;
Matches 232; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY	1	YERLRLVTHQTGXEFYFRITLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN	60
DB	1	YERLRLVTHQTGXEFYFRITLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN	60
QY	61	QGXDSITAIIDVTNXYVAVQAGDSYFLRDPARGAETHLFTGTRDRSSLFPXGSYDL	120
DB	61	QGXDSITAIIDVTNXYVAVQAGDSYFLRDPARGAETHLFTGTRDRSSLFPXGSYDL	120
QY	121	ERYAGHRDOIPLIGIOLIOSVVALXPQGSTTXQARSILILIQMISEAARFNILWRXQ	180
DB	119	ERYAGHRDOIPLIGIOLIOSVVALXPQGSTTXQARSILILIQMISEAARFNILWRXQ	178

us-09-601-667c-41.rapb

Sat Mar 22 10:41:36 2003

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; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 39
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Trichosantheus kirilowii
US-09-792-793A-39

Query Match      24.6%; Score 301; DB 9; Length 247;
Best Local Similarity 34.6%; Pred No. 3.5e-27;
Matches 83; Conservative 50; Mismatches 93; Indels 14; Gaps 9;

QY 13 TGXEYFRFTLLRDYVSSGFSNEIPLLRSTIPVSDAQRFLVLTNOGDXSYTAIDV 72
Db 10 TSSYGVFISNLKALPNERKLYDIPLLR--SSLPGS--QRYALHLHTNYADETISVAIDV 66
QY 73 TNXYVAYQAGDOSYFLRDA--PRGAETHLFTGTTDRSSSLPFXSGYXDLYERYAGH--RDOI 130
Db 67 TNVYIMGYRAGDTSYFFNEASATEAAKYVFKDAMR--KVTLPSYGNRYERLQTAAGKIRENI 125
QY 131 PLGIXQLIQSVKALRXPGGSTRXQARSILILIQMISEAARFNPIILWRXQKINSXSFLP 190
Db 126 PLGLPALDSAITTLFYNNANS--AASALMVLIOSTSEARARYFIEQOIGKRVDK--TFLP 181
QY 191 DXYMLELETSWGQOSTQVQ--HSTDGVFNPNPRLAIXXGNFVTLXNVRX--VIASLAIML 246
Db 182 SLAIISLENSWSALSQKIQIASTNNGQFSPVVLINAQNRVTITNVDAGVVTNIALLL 241

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RESULT 4

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US-09-792-793A-34
; Sequence 34, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 34
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Bryonia dioica
US-09-792-793A-34

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Query Match      22.8%; Score 278.5; DB 9; Length 247;
Best Local Similarity 31.2%; Pred No. 1.4e-24;
Matches 77; Conservative 52; Mismatches 101; Indels 17; Gaps 8;

QY 7 RVHTHTTGXEYFRFTLLRDYVSSGFSNEIPLLRSTIPVSDAQRFLVLTNOGDXSX 66
Db 5 RLSGATT--TSYGVFIKNLREALPYERKYNIPILRRSS--ISGGRYTLHLHTNYADETI 60
QY 67 TAAIDVTNXYVAYQAGDOSYFLRDA--PRGAETHLFTGTTDRSSSLPFXSGYXDLYERYAGH 126
Db 61 SVADVNTNXYVAYQAGDOSYFLRDA--PRGAETHLFTGTTDRSSSLPFXSGYXDLYERYAGH 120
QY 127 -RDOIPLGIXQLIQSVKALRXPGGSTRXQARSILILIQMISEAARFNPIILWRXQKINSXS 185
Db 121 IRENIPLGLPALDSAITTLFYNNANS--AASALMVLIOSTSEARARYFIEQOIGKRVDK- 177
QY 186 XSFLPDXYMLELETSWGQOSTQVQ--HSTDGVFNPNPRLAIXXGNFVTLXNVRXVI 239
Db 178 -TFLPSLATISLENNWSALSQKIQIASTNNGQFSP--VVLIDGNQNRVTSITNARVVT 234
QY 240 ASLAIML 246
Db 235 SNIALLL 241

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QY 181 XNSGXSFLPDXYMLELETSWGQOSTQVQHSSTGDFVFNPNPRLAIXXGNFVTLXNVRXVIA 240
Db 179 YNSGASFLPDXYMLELETSWGQOSTQVQHSSTGDFVFNPNPRLAIXXGNFVTLXNVRDVIA 238
QY 241 SLAIMLFCVGERPS 254
Db 239 SLAIMLFCVGERPS 252

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RESULT 2

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US-09-347-064-2
; Sequence 2, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jürgen
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-2

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```

Query Match      94.1%; Score 1151; DB 10; Length 252;
Best Local Similarity 91.3%; Pred. No. 4.4e-126;
Matches 231; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY 1 YERILRLVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRSTIPVSDAQRFLVLTN 60
Db 2 YERILRLVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRSTIPVSDAQRFLVLTN 61
QY 61 QXDSXTRAIDVTNXYVAYQAGDOSYFLRDA--PRGAETHLFTGTTDRSSSLPFXSGYXDL 120
Db 62 QGDSITAAIDVTNLYVAYQAGDOSYFLRDA--PRGAETHLFTGTT--RSLPFGNSYPLD 119
QY 121 ERYAGHRDQIPLGIXQLIQSVKALRXPGGSTRXQARSILILIQMISEAARFNPIILWRXQ 180
Db 120 ERYAGHRDQIPLGIXQLIQSVKALRXPGGSTRXQARSILILIQMISEAARFNPIILWRARQ 179
QY 181 XNSGXSFLPDXYMLELETSWGQOSTQVQHSSTGDFVFNPNPRLAIXXGNFVTLXNVRXVIA 240
Db 180 YNSGASFLPDXYMLELETSWGQOSTQVQHSSTGDFVFNPNPRLAIXXGNFVTLXNVRDVIA 239
QY 241 SLAIMLFCVGERP 253
Db 240 SLAIMLFCVGERP 252

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RESULT 3

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US-09-792-793A-39
; Sequence 39, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93

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[illegible]

US-09-765-527-259
; Sequence 259, Application US/09765527
; Patent No. US2002006638A1

GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides

NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,527
FILING DATE: 18-Jan-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/621,803
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 253:
SEQUENCE CHARACTERISTICS:
LENGTH: 309 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 253:
US-09-765-527-253

Query Match 22.0%; Score 268.5; DB 10; Length 309;
Best Local Similarity 32.9%; Pred. No. 2.8e-23;
Matches 83; Conservative 35; Mismatches 113; Indels 21; Gaps 7;
Qy 8 VTHQTGXEFYFRFTLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQGX 64
Db 27 VSFSTKGATYTYVNFNLNRLVKLPKPGNSHGIPLLRKKC--DDPKCFVLVALSNDNGQ 84
Qy 65 SXTAAIDVTNXYVAYQAGDSYFLRDAPRGAETHLFTGTTDRSSLPPFXGSDXDLERYA 124
Db 85 LAEIAIDVTSVYVGVQVNRSYFFKDAADAAVEGLFKNTIKR--LHFGGTPSLEGEK 142
Qy 125 GHRDQIPLGIXQL---IQSVXALRXPGGSTRXQARSILILIQMISEAARF----NPILWR 177
Db 143 AYRETTDLGIEPLRIGIKKLDENADINYPKTEIASLLVVIQMVSEAAARFTFIENQIRNN 202
Qy 178 XROXINGSGSFLPDXYMLETSGWQOSTQVQHS--TDGVFNPNXPRLAIXXGNFVTLXNVR 236
Db 203 FQQRIR-----PANNTISLENKWKLSFQIRTSANGMPFSEAVELERANGKYYVTVAVD 256
Qy 237 XVIASLAIMLFV 248
Db 257 QVKPKIALLKFEV 268

RESULT 8
US-09-765-527-251
Sequence 251, Application US/09765527
Patent No. US20020006638A1
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
*NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,527
FILING DATE: 18-Jan-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/621,803
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 251:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 251:
US-09-765-527-251

Query Match 22.0%; Score 268.5; DB 10; Length 332;
Best Local Similarity 32.9%; Pred. No. 3.1e-23;
Matches 83; Conservative 35; Mismatches 113; Indels 21; Gaps 7;
Qy 8 VTHQTGXEFYFRFTLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQGX 64
Db 27 VSFSTKGATYTYVNFNLNRLVKLPKPGNSHGIPLLRKKC--DDPKCFVLVALSNDNGQ 84
Qy 65 SXTAAIDVTNXYVAYQAGDSYFLRDAPRGAETHLFTGTTDRSSLPPFXGSDXDLERYA 124
Db 85 LAEIAIDVTSVYVGVQVNRSYFFKDAADAAVEGLFKNTIKR--LHFGGTPSLEGEK 142
Qy 125 GHRDQIPLGIXQL---IQSVXALRXPGGSTRXQARSILILIQMISEAARF----NPILWR 177
Db 143 AYRETTDLGIEPLRIGIKKLDENADINYPKTEIASLLVVIQMVSEAAARFTFIENQIRNN 202
Qy 178 XROXINGSGSFLPDXYMLETSGWQOSTQVQHS--TDGVFNPNXPRLAIXXGNFVTLXNVR 236
Db 203 FQQRIR-----PANNTISLENKWKLSFQIRTSANGMPFSEAVELERANGKYYVTVAVD 256
Qy 237 XVIASLAIMLFV 248
Db 257 QVKPKIALLKFEV 268

RESULT 9
US-09-792-793A-36
Sequence 36, Application US/09792793A
Patent No. US20020168370A1
GENERAL INFORMATION:
APPLICANT: McDonald, John R.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
*TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 36
LENGTH: 250

; TYPE: PRT
 ; ORGANISM: Momordica charantia
 US-09-792-793A-36

```

Query Match      19.1%; Score 233.5; DB 9; Length 250;
Best Local Similarity 30.9%; Pred. No. 2.5e-19;
Matches 68; Conservative 30; Mismatches 89; Indels 33; Gaps

QY      6  LRVTHOTTGXEFYERFTLLRDYVSSGSFSNEIPLLRQSTIPVSDAQRFLVLTNQXDS 65
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      10  LDLNNPPT---YLSFITNITKVADTEQCTI-----QKISKFTQRYSIDLVNSTOK 61
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      66  XTAIDVNNYVWAY-----QAGDQSVPLRDAPGAETHLTGTPT-RDRSSLPFKGSYDL 120
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      62  ITTAIDMADIVLGYSDIANNKRAFFKDVTEAVANNFFPGATGNRIKLTFTGSGYDL 121
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      121  ERYAGHRDQIPLGTIXOLIQSVXALRPGSGSTRQARSILILIQMISEAARENPILWRXHQ 180
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      122  EKNGGLRKDNPLGIPLRENSIVNIYGKAGDVKKQAFFLAIQVSEAAAFKYI----- 175
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      181  XINSKXSLP-----DXYMLETSGWGQOSTOVQHS 211
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      176  ----SDKIPSEKYEEVTVDEYMTALENNWAKLSTAVNS 210
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

RESULT 10
US-09-978-274A-4
; Sequence 4, Application US/09978274A
; Patent No. US20020116737A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Christopher
; APPLICANT: McPherson, Michael
; APPLICANT: Atkinson, Howard
; APPLICANT: Neelam, Anil
; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
; FILE REFERENCE: 9341-028
; CURRENT APPLICATION NUMBER: US/09/978,274A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 0025225.4
; PRIOR FILING DATE: 2000-10-14
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Phytolacca americana
US-09-978-274A-4

[illegible]

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RESULT 11
US-09-978-274A-2
; Sequence 2, Application US/09978274A
; Patent No. US20020116737A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Christopher
; APPLICANT: McEnerson, Michael
; APPLICANT: Atkinson, Howard
; APPLICANT: Neelam, Anil
; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
; FILE REFERENCE: 9341-028
; CURRENT APPLICATION NUMBER: US/09/978,274A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 0025225.4
; PRIOR FILING DATE: 2000-10-14
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Phytolacca americana
; US-09-978-274A-2

```

```

RESULT 12
US-09-792-793A-85
; Sequence 85, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Cogswine, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDI
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 85
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artifici
US-09-792-793A-85

```

```
; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion prote
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-79

Query Match          13.2%; Score 162; DB 9; Length 327;
Best Local Similarity 27.8%; Pred. No. 7.5e-11;
Matches 66; Conservative 43; Mismatches 90; Indels 38; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVVEL 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 5 ITLDLVNPTAG-QYSSFVDKIRNNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 56

QY 59 -TNQGXDSXTAAIDVTNXYVYVAYQAGD-----QSYFLRDAPRGAE-THLP-TGTTDRSS 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 57 QSSRGTVSLGLKRD--NLYVVAYLAMDNNTNVRAYYFRSEITSAESTALFPEATTANOKA 114

QY 111 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQM 164
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 115 LEYTEDYQSIEKNAQITQDQSRKELGIDLLSTMEAVNKKARVVKDEARFLLIAIQM 174

QY 165 ISEAAARFNPILWRXRXQI---NSGXSFDPDXMYMLETSGWQOSTQVQ-HSTDGVFN 217
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 175 TAEAAARF-----RYIQLNVIKNFPNKFNSNKVIQFEVNNWKKISTAIYGDAGKNGVFN 226

RESULT 13
US-09-792-793A-35
; Sequence 35, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 35
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Saponaria officinalis
US-09-792-793A-35

Query Match          13.2%; Score 162; DB 9; Length 275;
Best Local Similarity 27.8%; Pred. No. 6e-11;
Matches 66; Conservative 43; Mismatches 90; Indels 38; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVVEL 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 4 ITLDLVNPTAG-QYSSFVDKIRNNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 55

QY 59 -TNQGXDSXTAAIDVTNXYVYVAYQAGD-----QSYFLRDAPRGAE-THLP-TGTTDRSS 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 56 QSSRGTVSLGLKRD--NLYVVAYLAMDNNTNVRAYYFRSEITSAESTALFPEATTANOKA 113

QY 111 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQM 164
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 114 LEYTEDYQSIEKNAQITQDQSRKELGIDLLSTMEAVNKKARVVKDEARFLLIAIQM 173

QY 165 ISEAAARFNPILWRXRXQI---NSGXSFDPDXMYMLETSGWQOSTQVQ-HSTDGVFN 217
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 174 TAEAAARF-----RYIQLNVIKNFPNKFNSNKVIQFEVNNWKKISTAIYGDAGKNGVFN 225

RESULT 14
US-09-792-793A-79
; Sequence 79, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
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; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion prote
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-79

Query Match          13.2%; Score 162; DB 9; Length 327;
Best Local Similarity 27.8%; Pred. No. 7.5e-11;
Matches 66; Conservative 43; Mismatches 90; Indels 38; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVVEL 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 78 ITLDLVNPTAG-QYSSFVDKIRNNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 129

QY 59 -TNQGXDSXTAAIDVTNXYVYVAYQAGD-----QSYFLRDAPRGAE-THLP-TGTTDRSS 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 130 QSSRGTVSLGLKRD--NLYVVAYLAMDNNTNVRAYYFRSEITSAESTALFPEATTANOKA 187

QY 111 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQM 164
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 188 LEYTEDYQSIEKNAQITQDQSRKELGIDLLSTMEAVNKKARVVKDEARFLLIAIQM 247

QY 165 ISEAAARFNPILWRXRXQI---NSGXSFDPDXMYMLETSGWQOSTQVQ-HSTDGVFN 217
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 248 TAEAAARF-----RYIQLNVIKNFPNKFNSNKVIQFEVNNWKKISTAIYGDAGKNGVFN 299

RESULT 15
US-09-792-793A-82
; Sequence 82, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AN
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 82
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion prote
; OTHER INFORMATION: BOTAXIN-AM-SAPORIN
US-09-792-793A-82

Query Match          13.2%; Score 162; DB 9; Length 330;
Best Local Similarity 27.8%; Pred. No. 7.6e-11;
Matches 66; Conservative 43; Mismatches 90; Indels 38; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVVEL 58
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 81 ITLDLVNPTAG-QYSSFVDKIRNNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 132

QY 59 -TNQGXDSXTAAIDVTNXYVYVAYQAGD-----QSYFLRDAPRGAE-THLP-TGTTDRSS 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 133 QSSRGTVSLGLKRD--NLYVVAYLAMDNNTNVRAYYFRSEITSAESTALFPEATTANOKA 190

QY 111 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQM 164
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 191 LEYTEDYQSIEKNAQITQDQSRKELGIDLLSTMEAVNKKARVVKDEARFLLIAIQM 250

QY 165 ISEAAARFNPILWRXRXQI---NSGXSFDPDXMYMLETSGWQOSTQVQ-HSTDGVFN 217
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 251 TAEAAARF-----RYIQLNVIKNFPNKFNSNKVIQFEVNNWKKISTAIYGDAGKNGVFN 302
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Sat Mar 22 10:41:36 2003

Search completed: March 22, 2003, 10:37:44
Job time : 10.9953 secs

us-09-601-667c-41.rapb

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 7.90123 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-41

Perfect score: 1223

Sequence: 1 YERLRVTHQTGXEXYFRF.....XVIASLAIMLFVCGERPSSS 256

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/prodata/2/iaa/5A COMB.pcp.*
2: /cgn2_6/prodata/2/iaa/5B COMB.pcp.*
3: /cgn2_6/prodata/2/iaa/5A COMB.pcp.*
4: /cgn2_6/prodata/2/iaa/5B COMB.pcp.*
5: /cgn2_6/prodata/2/iaa/5A COMB.pcp.*
6: /cgn2_6/prodata/2/iaa/5B COMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1165	95.3	564	4	US-08-776-059-35
2	1155	94.4	253	4	US-08-776-059-31
3	1073	87.7	235	4	US-08-776-059-39
4	453.5	37.1	250	1	US-08-378-761A-71
5	453.5	37.1	250	1	US-08-485-286-71
6	376	30.7	267	1	US-07-901-707-1
7	376	30.7	267	1	US-07-988-430-1
8	376	30.7	267	1	US-08-218-303-16
9	376	30.7	267	1	US-08-425-336-1
10	376	30.7	267	1	US-08-488-113B-1
11	376	30.7	267	1	US-08-477-484B-1
12	376	30.7	267	2	US-08-646-360-1
13	376	30.7	267	2	US-08-338-793D-61
14	376	30.7	267	4	US-08-839-765-1
15	376	30.7	267	4	US-09-136-389-1
16	376	30.7	267	4	US-09-610-838-1
17	376	30.7	267	5	PCT-US92-09487-1
18	376	30.7	267	2	US-08-356-786-8
19	376	30.7	267	2	US-08-356-786-10
20	372	30.4	290	1	US-08-378-761A-27
21	372	30.4	290	1	US-08-485-286-27
22	372	30.4	290	6	5248606-4
23	370.5	30.3	540	1	US-08-378-761A-77
24	370.5	30.3	540	1	US-08-485-286-77
25	326	26.7	282	1	US-08-324-301-15
26	301	24.6	267	1	US-08-378-761A-74
27	301	24.6	267	1	US-08-485-286-74

28 299 24.4 247 1 US-08-488-113B-6 Sequence 6, Appli
29 299 24.4 247 1 US-08-477-484B-6 Sequence 6, Appli
30 299 24.4 247 2 US-08-646-360-6 Sequence 6, Appli
31 299 24.4 247 4 US-08-839-765-6 Sequence 6, Appli
32 299 24.4 247 4 US-09-136-389-6 Sequence 6, Appli
33 299 24.4 247 4 US-09-610-838-6 Sequence 6, Appli
34 294 24.0 289 1 US-07-923-692C-4 Sequence 4, Appli
35 294 24.0 289 1 US-08-184-237-4 Sequence 4, Appli
36 294 24.0 289 2 US-08-482-920-4 Sequence 4, Appli
37 294 24.0 289 3 US-08-483-502-4 Sequence 4, Appli
38 294 24.0 289 4 US-08-483-502-4 Sequence 4, Appli
39 294 24.0 289 4 US-09-726-651A-4 Sequence 4, Appli
40 284.5 23.3 251 1 US-08-425-336-111 Sequence 111, App
41 284.5 23.3 251 1 US-08-488-113B-111 Sequence 111, App
42 284.5 23.3 251 1 US-08-477-484B-111 Sequence 111, App
43 284.5 23.3 251 2 US-08-646-360-111 Sequence 111, App
44 284.5 23.3 251 4 US-08-839-765-111 Sequence 111, App
45 284.5 23.3 251 4 US-09-136-389-111 Sequence 111, App

ALIGNMENTS

RESULT 1

US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match

Best Local Similarity 95.3%; Score 1165; DB 4; Length 564;
Matches 235; Conservative 0; Mismatches 19; Indels 2; Gaps 1;

Qy 1 YERLRVTHQTGXEXYFRFILLRDYVSSGSFNSNEILLRQSTIPVSDAQRFLVLTN 60
Db 34 YERLRVTHQTGXEXYFRFILLRDYVSSGSFNSNEILLRQSTIPVSDAQRFLVLTN 93
Qy 61 QGXSXTAAIDVTNXXVYVAYQAGDQSYFLRDAPRGAETHLFTGTTDRSSLPFXGSYXDL 120
Db 94 QGGSITAAIDVTNLYVYVAYQAGDQSYFLRDAPRGAETHLFTGTT--RSSLPFGSYXDL 151
Qy 121 ERYAGHRDQPLGXIXLIQSVXALRXPGGSTRXQARSILILIQMISEAARENPILWRXQ 180
Db 152 ERYAGHRDQPLGXIXLIQSVXALRXPGGSTRXQARSILILIQMISEAARENPILWRXQ 211
Qy 181 XINGSGFLPDYXMYLETSWGGQSTQVQSTDCGVNXPXELATXXGNFVTLXNVRXVIA 240
Db 212 YINGSGFLPDYXMYLETSWGGQSTQVQSTDCGVNXPXELATXXGNFVTLXNVRXVIA 240
Qy 241 SLAIMLFVCGERPSSS 256
Db 272 SLAIMLFVCGERPSSS 287

us-09-601-667c-41.ra1

Sat Mar 22 10:41:35 2003

US-08-776-059-39

Query Match 87.7%; Score 1073; DB 4; Length 235;
 Best Local Similarity 91.6%; Pred. No. 2.3e-121;
 Matches 217; Conservative 0; Mismatches 18; Indels 2; Gaps 1;
 QY 18 FRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVVELTNOGXDSXTAAIDVTNXYV 77
 DB 1 FRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVVELTNOGXDSXTAAIDVTNLYV 60
 QY 78 VAYQAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFXGSYXDLERYAGHRDQIPLGIXQL 137
 DB 61 VAYQAGDOSYFLRDAPRGAETHLFTGTT--RSLPFGSYPDLERYAGHRDQIPLGIDQL 118
 QY 138 IQSVXALRXPGGSTRXQARSILILIQMISEAARFNPILWRXRXINSXGSLPDXMYMLEL 197
 DB 119 IQSVTALRFPGGSTRTQARSILILIQMISEAARFNPILWRARQYINSXGSLPDXMYMLEL 178
 QY 198 ETSWGOQSTQVQHSITDGVFNPNPRLAIPPGNFVTLNVRXVIAISLAIMLFCVGERPS 254
 DB 179 ETSWGOQSTQVQHSITDGVFNPNPRLAIPPGNFVTLNVRDVIASLAIMLFCVGERPS 235

RESULT 4

US-08-378-761A-71
 ; Sequence 71, Application US/08378761A
 ; Patent No. 5635384
 ; GENERAL INFORMATION:
 ; APPLICANT: WALS, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA: US/08/378,761A
 ; FILING DATE: 26-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 71:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 250 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-378-761A-71

Query Match 37.1%; Score 453.5; DB 1; Length 250;
 Best Local Similarity 41.9%; Pred. No. 1.2e-46;
 Matches 106; Conservative 34; Mismatches 86; Indels 27; Gaps 7;
 QY 9 THQTGTGXEYFRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVVELTNOGXDSXTA 68
 DB 9 TEGATSQYKQFIEALRERL-RGLIHDPVLPDPT-TLQERNRYITVELSNSDTSIEV 66

Query Match 94.4%; Score 1155; DB 4; Length 253;

Best Local Similarity 91.3%; Pred. No. 3.3e-131;
 Matches 232; Conservative 1; Mismatches 19; Indels 2; Gaps 1;

QY 1 YERILRVTHQTGTGXEYFRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVVELTN 60
 DB 2 YERILRVTHQTGTGXEYFRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVVELTN 61
 QY 61 QGXDSXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFXGSYXDL 120
 DB 62 QGDSITAAIDVTNLYVAYQAGDOSYFLRDAPRGAETHLFTGTT--RSLPFGSYPDLE 119
 QY 121 ERYAGHRDQIPLGIXQLIQSVXALRXPGGSTRXQARSILILIQMISEAARFNPILWRXRX 180
 DB 120 ERYAGHRDQIPLGIDQLIQSVTALRFPGGSTRTQARSILILIQMISEAARFNPILWEARQ 179
 QY 181 XINSXGSLPDXMYMLELETQVQHSITDGVFNPNPRLAIPPGNFVTLNVRXVIA 240
 DB 180 YINSXGSLPDXMYMLELETQVQHSITDGVFNPNPRLAIPPGNFVTLNVRDVI 239

RESULT 3

US-08-776-059-39
 ; Sequence 39, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 39
 ; LENGTH: 235
 ; TYPE: PRT
 ; ORGANISM: Viscum album

[illegible]

RESULT 5

US-08-485-286-71
 ; Sequence 71, Application US/08485286
 ; Patent No. 5646026
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/485,286
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 71:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 250 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-485-286-71

Qy	69	AIDVTNXVYVQAGDOSYFLDADPRAETHLFTGTTDRSSLPXSGSYXDLERVAGH-R	127
Db	67	GDIVTNVYVYVYRAGTQSYFLDAPSSASDYLFTGT--DQHSLPFYGYGLDERWAHQSR	124
Qy	128	DOIPIGXQIIOVSXALRXPGGSTRQXARSILILQMISEAAFNPILRXRXQINSKXS	187
Db	125	QQIPLGLQALTHGISFFRSGGNDNEEKARTLIIIVQVAAEARFYSINRVVSIQTGTA	184
Qy	188	FLPDXMYMLETSGWQQQSTQVQSHDGVGFNNPXRLAIXXGNFVTLXNVRX-----	237
Db	185	FQPDAAIMSLENNW-DNLRGVQESVDQTFPNQ-----VTLTNIRNEPVIIVDSLSH	233
Qy	238	-VIASLAIMLFVC	249
Db	234	PTVAVIALMLFVC	246

RESULT 6

```

US-07-901-707-1
; Sequence 1, Application US/07901707
; Patent No. 5376546
; GENERAL INFORMATION:
; APPLICANT: Bernhardt, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Steve F.
; APPLICANT: Lane, Julie A.
; TITLE OF INVENTION: Materials Comprising and Methods of
; Composition and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/901,707
; FILING DATE: 19920619
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5376546and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27129/30910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-5750
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-901-707-1

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Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

QY 67 TAAIDVTNYYVAYQAGDSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGXYDLERY 123
 Db 71 TLALDVNTAYVVGVRAGNSAYFFPHDPNQEDAEATHLFT-DVQNRYYTFAFGNVDRLLEQL 129
 QY 124 AGH-RDQIPGLIXOLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARENPILWRXR 179
 Db 130 AGNURXNIELNGPLEEAEISALYYSTGGTQPLTLARSFICIQMISEAARFOYIEGEMR 189
 QY 180 QXINSGXSFDPXYMLETSGWQOSTQVQHSSTDCGVFNPNXRLAIXXGNFVTLXNVXVI 239
 Db 190 TRIYNNRSAPDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSVILI 249
 QY 240 ASLAIMLVCGERPSS 255
 Db 250 PIALMVYRCAPPSS 265

RESULT 7
 US-07-988-430-1
 ; Sequence 1, Application US/07988430
 ; Patent No. 5416202
 ; GENERAL INFORMATION:
 ; APPLICANT: Bernhard, Susan L.
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Lane, Julie A.
 ; APPLICANT: Lei, Shau-Ping
 ; TITLE OF INVENTION: Materials Comprising and Methods of
 ; PREPARATION AND USE FOR RIBOSOME-INACTIVATING PROTEINS
 ; NUMBER OF SEQUENCES: 101
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
 ; ADDRESSEE: Bicknell
 ; STREET: Two First National Plaza, 20 South Clark
 ; STREET: Street
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60603
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/988,430
 ; FILING DATE: 19921209
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5416202and, Greta E.
 ; REGISTRATION NUMBER: 35302
 ; REFERENCE/DOCKET NUMBER: 31133
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (312) 346-5750
 ; TELEFAX: (312) 984-9740
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-07-988-430-1

Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

QY 9 THQTTGXEFRTILLRDYVSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGDXSX 66
 Db 13 TAGATVQSYTNFIRAVRGLTTGADVREHIEPVLPNRVGLPIN--QRFILVELSNHAELSV 70
 QY 67 TAAIDVTNYYVAYQAGDSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGXYDLERY 123
 Db 71 TLALDVNTAYVVGVRAGNSAYFFPHDPNQEDAEATHLFT-DVQNRYYTFAFGNVDRLLEQL 129
 QY 124 AGH-RDQIPGLIXOLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARENPILWRXR 179
 Db 130 AGNURXNIELNGPLEEAEISALYYSTGGTQPLTLARSFICIQMISEAARFOYIEGEMR 189
 QY 180 QXINSGXSFDPXYMLETSGWQOSTQVQHSSTDCGVFNPNXRLAIXXGNFVTLXNVXVI 239
 Db 190 TRIYNNRSAPDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSVILI 249
 QY 240 ASLAIMLVCGERPSS 255
 Db 250 PIALMVYRCAPPSS 265

RESULT 8
 US-08-218-303-16
 ; Sequence 16, Application US/08218303
 ; Patent No. 5547867
 ; GENERAL INFORMATION:
 ; APPLICANT: Kara, Bhupendra V.
 ; APPLICANT: Hockney, Robert C.
 ; APPLICANT: Fitton, John E.
 ; TITLE OF INVENTION: FERMENTATION PROCESS
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cushman, Darby & Cushman
 ; STREET: 1615 L Street, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20036-5601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/218,303
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/841,533
 ; FILING DATE: 26-FEB-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kokulis, Paul N.
 ; REGISTRATION NUMBER: 16,773
 ; REFERENCE/DOCKET NUMBER: PNK/3893/94908/MW
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861-3000
 ; TELEFAX: 202-822-0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-218-303-16

Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

QY 9 THQTTGXEFRTILLRDYVSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGDXSX 66

Db 13 TAGATVQSTNTRAVRGLTTGADVVRHEIPVLPNRVGLPIN--QRFILVLSNHAELSV 70
 QY 67 TAAIDVTNXYVAYQAGDOSYFLR--DAPRGAE--THLFTGTTDRSSLPFKSGYXDLERY 123
 Db 71 TLALDVTNAYVGVYRAGNSAYFFHEDNQDEAITHLFT--DVQNRVYTFAGGNYDRLEQL 129
 QY 124 AGH-RDQPLGIXQLIQSVXAL---RXPGGSTRXQARSILILIOIMISEAARENPILWRXR 179
 Db 130 AGNLENIELNGPLEEIAISALYYSTGTQTLPTLARSFIICIMISEAARENPILWRXR 189
 QY 180 QXINGXSFLPDXYMLELETSGWQOSTOVQHSSTGDFVNNPXRLLAIXGNFVTLXNVRXVI 239
 Db 190 TRIYNNRSAPDPSVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
 QY 240 ASLAIMLVCGERPSS 255
 Db 250 PIIALMVYRCAPPSS 265

RESULT 9

US-08-425-336-1
 ; Sequence 1, Application US/08425336
 ; Patent No. 5621083
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Studnika, Gary M.
 ; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 ; NUMBER OF SEQUENCES: 140
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/425,336
 ; FILING DATE: 18-APR-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/064,691
 ; FILING DATE: 12-MAY-1993
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Meyers, Thomas C.
 ; REGISTRATION NUMBER: P-36,989
 ; REFERENCE/DOCKET NUMBER: 31394
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-425-336-1

Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;

Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
 QY 9 THQTTCXCYFRITILRDVVSQS-FSNEIPLL-RQSTIPVSDAQRVILVELTNOGXDSX 66
 Db 13 TAGATVQSTNTRAVRGLTTGADVVRHEIPVLPNRVGLPIN--QRFILVLSNHAELSV 70
 QY 67 TAAIDVTNXYVAYQAGDOSYFLR--DAPRGAE--THLFTGTTDRSSLPFKSGYXDLERY 123
 Db 71 TLALDVTNAYVGVYRAGNSAYFFHEDNQDEAITHLFT--DVQNRVYTFAGGNYDRLEQL 129
 QY 124 AGH-RDQPLGIXQLIQSVXAL---RXPGGSTRXQARSILILIOIMISEAARENPILWRXR 179
 Db 130 AGNLENIELNGPLEEIAISALYYSTGTQTLPTLARSFIICIMISEAARENPILWRXR 189
 QY 180 QXINGXSFLPDXYMLELETSGWQOSTOVQHSSTGDFVNNPXRLLAIXGNFVTLXNVRXVI 239
 Db 190 TRIYNNRSAPDPSVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
 QY 240 ASLAIMLVCGERPSS 255
 Db 250 PIIALMVYRCAPPSS 265

RESULT 10

US-08-488-1138-1
 ; Sequence 1, Application US/084881138
 ; Patent No. 5744580
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Studnika, Gary M.
 ; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 ; NUMBER OF SEQUENCES: 169
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
 ; STREET: 500 West Madison Street, 34th floor
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60661
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/488,1138
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/425,336
 ; FILING DATE: 18-APR-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/064,691
 ; FILING DATE: 12-MAY-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/988,430
 ; FILING DATE: 09-DEC-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: McNicholas Janet M.
 ; REGISTRATION NUMBER: 32,918
 ; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/707-8889
 ; TELEFAX: 312/707-9155
 ; TELEX: 650 388-1248

us-09-601-667c-41.ra1

Sat Mar 22 10:41:35 2003

APPLICATION NUMBER: US 07/787,567
 FILING DATE: 04-NOV-1991
 ATTORNEY/AGENT INFORMATION: M.
 NAME: McNicholas, Janet M.
 REGISTRATION NUMBER: 32,918
 REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/707-8889
 TELEFAX: 312/707-9155
 TELEX: 650 388-1248
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 267 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-477-484B-1

Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

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QY 9 THOTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RSTIPVSDAQRFLVELTNOGXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLLTGADVRHEIPVLPNVRGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXXVAVQAGDSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGXYDLERY 123
DB 71 TLALDVTNAVVGVRAGNSAYFFHPDQDEAETHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXOLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILMRXR 179
DB 130 AGNLRNIELGNGPLEEAISALYYSTGGTQLPTLARSFIICIQMISEAARFQVIEGEMR 189
QY 180 QXNSGXSFPLDXYMLETSGQSTQVQHSITDGVFNPNPRLAIXXGNFVTLXNRXVI 239
DB 190 TRIYRNRASDPSPVITLNSWGLRLTAIQESNQGFASPIQLORRNGSKFSVYDVSILI 249
QY 240 ASLAIMLVCGGERPSS 255
DB 250 PIIALMVYRCAPPSS 265

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RESULT 11
 US-08-477-484B-1
 Sequence 1, Application US/08477484B
 Patent No. 5756699
 GENERAL INFORMATION:
 APPLICANT: Better, Marc D.
 APPLICANT: Carroll, Stephen F.
 APPLICANT: Studnika, Gary M.
 TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 NUMBER OF SEQUENCES: 169
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: McAndrews, Held & Malloy, Ltd.
 STREET: 500 West Madison Street, 34th floor
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60661

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/477,484B
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/425,336
 FILING DATE: 18-APR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/064,691
 FILING DATE: 12-MAY-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/988,430
 FILING DATE: 09-DEC-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/901,707
 FILING DATE: 19-JUN-1992
 PRIOR APPLICATION DATA:

RESULT 12
 US-08-646-360-1
 Sequence 1, Application US/08646360
 Patent No. 5837491
 GENERAL INFORMATION:
 APPLICANT: Better, Marc D.
 APPLICANT: Carroll, Stephen F.
 APPLICANT: Studnika, Gary M.
 TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 NUMBER OF SEQUENCES: 173
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: McAndrews, Held & Malloy, Ltd.
 STREET: 500 West Madison Street, 34th floor
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60661

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/646,360
 FILING DATE: 13-MAY-1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/05348
 FILING DATE: 12-MAY-1994

Query Match 30.7%; Score 376; DB 1; Length 267;
 Best Local Similarity 39.1%; Pred. No. 2.9e-37;
 Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;

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QY 9 THOTTGXEYFRFTLLRDYVSSGS-FSNEIPLL-RSTIPVSDAQRFLVELTNOGXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLLTGADVRHEIPVLPNVRGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNXXVAVQAGDSYFLR-DAPRGAE--THLFTGTTDRSSLPFXGXYDLERY 123
DB 71 TLALDVTNAVVGVRAGNSAYFFHPDQDEAETHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIXOLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARFNPILMRXR 179
DB 130 AGNLRNIELGNGPLEEAISALYYSTGGTQLPTLARSFIICIQMISEAARFQVIEGEMR 189
QY 180 QXNSGXSFPLDXYMLETSGQSTQVQHSITDGVFNPNPRLAIXXGNFVTLXNRXVI 239
DB 190 TRIYRNRASDPSPVITLNSWGLRLTAIQESNQGFASPIQLORRNGSKFSVYDVSILI 249
QY 240 ASLAIMLVCGGERPSS 255
DB 250 PIIALMVYRCAPPSS 265

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 200-70.24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-646-360-1

Query Match 30.7%; Score 376; DB 2; Length 267;
Best Local Similarity 39.1%; Pred. No. 2.9e-37;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
QY 9 THQTGXYFFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFVLVELTNCQXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLTGADVRIEIPVLPNVEGLPIN--QRFLVLSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDOSYFLR-DAPRGAE--THLFTGTTTRDRSSLPFGSYXDLELY 123
DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGLIXQLIQSVXAL--RXPGGSTRXQARSILILIOISEAARFNPLWRXR 179
DB 130 AGNLRNIELGNGLPEEAISALYYSTGTQTLPTLARSFIIICMISEAAARFQIEGMR 189
QY 180 QXINSXGFLPDXYMLELETSMGQOSTOVQHSITDGVFNPNXRLAIXXGNFVTLXNVRXVI 239
DB 190 TRIRYRRSAPPSPVITLNSWGRLSTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIIALMWYRCAPPSS 265

RESULT 13
US-08-338-793D-61
Sequence 61, Application US/08338793D
Patent No. 5840521
GENERAL INFORMATION:
APPLICANT: Barth, Peter Thomas
TITLE OF INVENTION: VECTOR
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY CUSHMAN
ADDRESS: INTELLECTUAL PROPERTY GROUP OF
ADDRESSEE: PILLSBURY MADISON & SUTRO, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM PC/XT/AT Compatibles

OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word or ASCII editors
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/338,793D
FILING DATE: 08-NOV-5840521-94
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/842,081
FILING DATE: 26-Feb-92
CLASSIFICATION: 435
APPLICATION NUMBER: 9104017.0
FILING DATE: 26-Feb-91
APPLICATION NUMBER: 9109188.4
FILING DATE: 29-Apr-91
ATTORNEY/AGENT INFORMATION:
NAME: Kokulis, Paul N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: DJB/9901/215431/TGW
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-08-338-793D-61

Query Match 30.7%; Score 376; DB 2; Length 267;
Best Local Similarity 39.1%; Pred. No. 2.9e-37;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
QY 9 THQTGXYFFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFVLVELTNCQXDSX 66
DB 13 TAGATVQSYTNFIRAVRGRLTGADVRIEIPVLPNVEGLPIN--QRFLVLSNHAELSV 70
QY 67 TAAIDVTNXYVAYQAGDOSYFLR-DAPRGAE--THLFTGTTTRDRSSLPFGSYXDLELY 123
DB 71 TLALDVTNAYVVGVRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGLIXQLIQSVXAL--RXPGGSTRXQARSILILIOISEAARFNPLWRXR 179
DB 130 AGNLRNIELGNGLPEEAISALYYSTGTQTLPTLARSFIIICMISEAAARFQIEGMR 189
QY 180 QXINSXGFLPDXYMLELETSMGQOSTOVQHSITDGVFNPNXRLAIXXGNFVTLXNVRXVI 239
DB 190 TRIRYRRSAPPSPVITLNSWGRLSTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIIALMWYRCAPPSS 265

RESULT 14
US-08-839-765-1
Sequence 1, Application US/08839765
Patent No. 6146631
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Studnika, Gary M.
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 15-APR-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/425,336
FILING DATE: 18-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11022US09/200-70.P3.C3
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-839-765-1

Query Match 30.7%; Score 376; DB 4; Length 267;
Best Local Similarity 39.1%; Pred. No. 2.9e-37;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
Qy 9 THQTGXEFYRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSX 66
Db 13 TAGATVQSYTFIRAVRGLTTGADVRRHEIPVLPNRVGLPIN--QRFLVELSNHAELSV 70
Qy 67 TAAIDVTNXYVAYAGDQSYFLR-DAPRGAE--THLFTGTTDRSSLPFGSGYXDLERY 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
Qy 124 AGH-RDQIPGLIXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARNPILWRXR 179
Db 130 AGNLRNIELGNGLPEEAISALYYSTGTQTLPTLARSFIIICIQMISEAARFYIEGEMR 189
Qy 180 QXINGSGXFLPDXYMLETSGQOSTOVQHSSTDCGVFNPNXRLAIXXGNFVTLXNVRXVI 239
Db 190 TRIRYNRASDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSYVDVSIIL 249
Qy 240 ASLAIMLFVCGERPSS 255
Db 250 PIIALMVYRCAPPSS 265

RESULT 15
US-09-136-389-1
Sequence 1, Application US/09136389
Patent No. 6146850
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Studnika, Gary M.

TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
TITLE OF SEQUENCES: Proteins
NUMBER OF SEQUENCES: 173
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/136,389
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/646,360
FILING DATE: 13-MAY-1996
APPLICATION NUMBER: PCT/US94/05348
FILING DATE: 12-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 200-70.P4
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-136-389-1

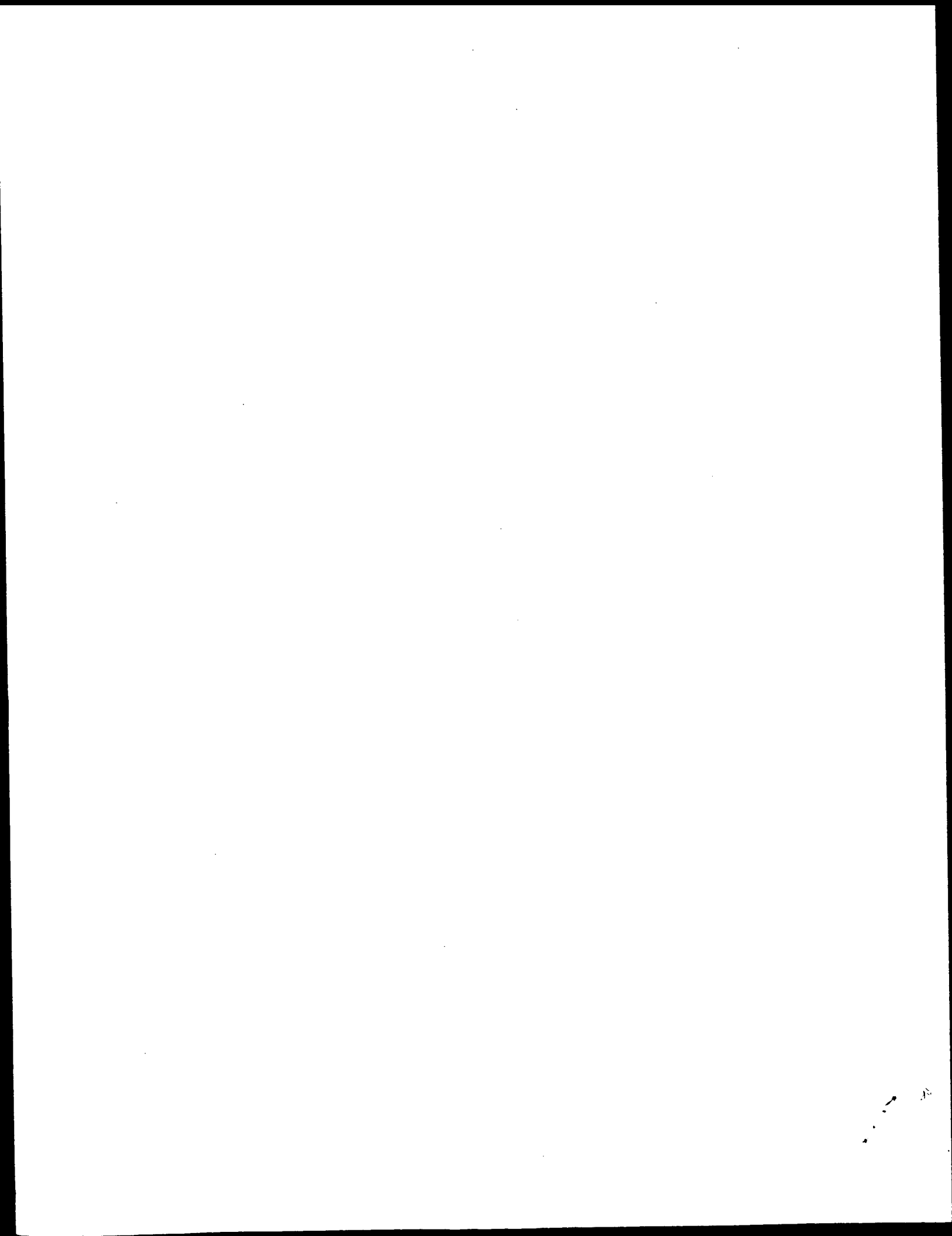
Query Match 30.7%; Score 376; DB 4; Length 267;
Best Local Similarity 39.1%; Pred. No. 2.9e-37;
Matches 100; Conservative 43; Mismatches 101; Indels 12; Gaps 8;
Qy 9 THQTGXEFYRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGXDSX 66
Db 13 TAGATVQSYTFIRAVRGLTTGADVRRHEIPVLPNRVGLPIN--QRFLVELSNHAELSV 70
Qy 67 TAAIDVTNXYVAYAGDQSYFLR-DAPRGAE--THLFTGTTDRSSLPFGSGYXDLERY 123
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
Qy 124 AGH-RDQIPGLIXQLIQSVXAL---RXPGGSTRXQARSILILIQMISEAARNPILWRXR 179
Db 130 AGNLRNIELGNGLPEEAISALYYSTGTQTLPTLARSFIIICIQMISEAARFYIEGEMR 189
Qy 180 QXINGSGXFLPDXYMLETSGQOSTOVQHSSTDCGVFNPNXRLAIXXGNFVTLXNVRXVI 239
Db 190 TRIRYNRASDPSPVITLNSWGRSLTAIQESNQAFASPIQLQRRNGSKFSYVDVSIIL 249
Qy 240 ASLAIMLFVCGERPSS 255

Sat Mar 22 10:41:35 2003

Db 250 PIALMWIRCAPPS 265

Search completed: March 22, 2003, 09:59:52
Job time : 8.90123 secs

us-09-601-667c-41.xai



GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 18.7284 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-1
Perfect score: 2616
Sequence: 1 YERLRLVTHQTGXEFRR

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications AA.*
- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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 - 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
 - 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
 - 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
 - 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
 - 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
 - 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
1	1267.5	48.5	263	10	US-09-347-064-10		Sequence 10, Appl
2	1267.5	48.5	267	10	US-09-347-064-4		Sequence 4, Appl
3	1155.5	44.2	252	10	US-09-347-064-8		Sequence 8, Appl
4	1151.5	44.0	252	10	US-09-347-064-2		Sequence 2, Appl
5	308.5	11.8	247	9	US-09-792-793A-39		Sequence 39, Appl
6	280	10.7	247	9	US-09-792-793A-34		Sequence 34, Appl
7	271.5	10.4	332	10	US-09-792-793A-36		Sequence 36, Appl
8	268	10.2	251	10	US-09-765-527-251		Sequence 251, App
9	265	10.1	293	10	US-09-765-527-247		Sequence 247, App
10	265	10.1	309	10	US-09-765-527-259		Sequence 259, App
11	229	8.8	250	9	US-09-792-793A-36		Sequence 36, App
12	165.5	6.3	263	10	US-09-978-274A-2		Sequence 2, Appl
13	165.5	6.3	314	10	US-09-978-274A-2		Sequence 2, Appl
14	165.5	6.2	145	12	US-10-074-527-5		Sequence 5, Appl
15	155	5.9	275	9	US-09-792-793A-35		Sequence 35, Appl
16	153.5	5.9	254	9	US-09-792-793A-85		Sequence 85, Appl
17	133.5	5.9	327	9	US-09-792-793A-79		Sequence 79, Appl
18	133.5	5.9	330	9	US-09-792-793A-82		Sequence 82, Appl
19	133.5	5.9	332	9	US-09-792-793A-73		Sequence 73, Appl

20	153.5	5.9	332	9	US-09-792-793A-76		Sequence 76, Appl
21	119.5	4.6	135	9	US-09-973-457-5		Sequence 5, Appl
22	119.5	4.6	135	12	US-10-074-527-6		Sequence 6, Appl
23	119.5	4.6	323	9	US-09-792-793A-80		Sequence 80, Appl
24	119.5	4.6	325	9	US-09-792-793A-81		Sequence 81, Appl
25	119	4.5	110	10	US-09-978-274A-8		Sequence 8, Appl
26	117.5	4.5	480	10	US-09-770-621-5		Sequence 5, Appl
27	117.5	4.5	492	10	US-09-770-621-4		Sequence 4, Appl
28	117.5	4.5	492	10	US-09-770-621-7		Sequence 7, Appl
29	115.5	4.4	491	10	US-09-770-621-8		Sequence 8, Appl
30	114.5	4.4	325	9	US-09-792-793A-74		Sequence 74, Appl
31	114.5	4.4	327	9	US-09-792-793A-75		Sequence 75, Appl
32	113.5	4.3	247	9	US-09-792-793A-83		Sequence 83, Appl
33	113.5	4.3	249	9	US-09-792-793A-84		Sequence 84, Appl
34	113.5	4.3	320	9	US-09-792-793A-77		Sequence 77, Appl
35	113.5	4.3	322	9	US-09-792-793A-78		Sequence 78, Appl
36	113.5	4.3	325	9	US-09-792-793A-71		Sequence 71, Appl
37	113.5	4.3	326	10	US-09-334-477-37		Sequence 37, Appl
38	113.5	4.3	327	9	US-09-792-793A-72		Sequence 72, Appl
39	113.5	4.3	690	10	US-09-334-477-47		Sequence 47, Appl
40	113.5	4.3	708	10	US-09-334-477-47		Sequence 47, Appl
41	113	4.3	293	9	US-09-792-793A-37		Sequence 37, Appl
42	113	4.3	315	10	US-09-334-477-2		Sequence 2, Appl
43	113	4.3	318	10	US-09-334-477-6		Sequence 6, Appl
44	113	4.3	323	10	US-09-334-477-21		Sequence 21, Appl
45	113	4.3	326	10	US-09-334-477-25		Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-10

Query Match

Best Local Similarity 48.5%; Score 1267.5; DB 10; Length 263;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY	270	DDVTCASEPTVIRIGRMXVDVDRDDFDHGNQIQLWPSKSNNDPNQLWTIKRDXTIRS	329
DB	1	DDVTCASEPTVIRIGRMXVDVDRDDFDHGNQIQLWPSKSNNDPNQLWTIKRDXTIRS	60
QY	330	NGSLCTTYGTAGVYVVMIFDCNTAVREATIWIQXNGTIINPRSNLVLAASSGIGKTTLT	389
DB	61	NGSLCTTYGTAGVYVVMIFDCNTAVREATIWIQXNGTIINPRSNLVLAASSGIGKTTLT	120
QY	390	VOTLDVTLGGWLAGNDTAPREVITYGFRDLCSMESNGXSVVWVETCKSSOXNOXXWALYGD	449
DB	121	VOTLDVTLGGWLAGNDTAPREVITYGFRDLCSMESNGXSVVWVETCKSSOXNOXXWALYGD	179

; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-8

Query Match 44.2%; Score 1155.5; DB 10; Length 252;
Best Local Similarity 91.7%; Pred. No. 8.5e-112;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;
QY 1 YERLRVTHQTTGXEYFRITLLRDYVSSGSFSNEIPULLRQSTIPVSDAQRFLVVELTN 60
DB 1 YERIRLRVTHQTTGEEYFRITLLRDYVSSGSFSNEIPULLRQSTIPVSDAQRFLVVELTN 60
QY 61 QGXDSXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXGSYXDLE 120
DB 61 QGDSITAAIDVTNLYVAYQAGDOSYFLRDAPRGAETHLFTGTTR-SSLPENGSIYDLE 119
QY 121 RYAGHRDQIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQMISEAARFNPIILWRXRX 180
DB 120 RYAGHRDQIPLGIDQLIOSVTLRPFPGSTRTQARSILILIQMISEAARFNPIILWRARQY 179
QY 181 INSGXSLPDXYMLELETSWGQOSTOVQHSSTDGVFNPNPRLAIXXGNFVTLXNVXVIAS 240
DB 180 INSGASFLPDVYMLELETSWGQOSTOVQHSSTDGVFNPNPRLAIPGNFVTLTNVRDVIA 239
QY 241 LAIMLFVCGERPS 253
DB 240 LAIMLFVCGERPS 252

RESULT 2

US-09-347-064-4
; Sequence 4, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347.064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-4

Query Match 48.5%; Score 1267.5; DB 10; Length 267;
Best Local Similarity 91.6%; Pred. No. 2.3e-123; Indels 1; Gaps 1;
Matches 241; Conservative 1; Mismatches 20;

QY 270 DDVTCASSEPTVRIIGRGMXVDVDRDDFDGNGIQLWPSKSNNDPNQLWTIKRDXTIRS 329
DB 1 DDVTCASSEPTVRIIGRGMXVDVDRDDFDGNGIQLWPSKSNNDPNQLWTIKRDXTIRS 60
QY 330 NGSCLTYYGYTAGVYVIMFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIKGTTLT 389
DB 61 NGSCLTYYGYTAGVYVIMFDCNTAVREATLWQWNGTIIINPRSNLVLAASSGIKGTTLT 120
QY 390 VQTLDTLGGWLAGNDTAPREVTIYGFRLCMESNKGXSVWVETCXSSQXNXXWALYGD 449
DB 121 VQTLDTLGGWLAGNDTAPREVTIYGFRLCMESNKGXSVWVETCVSSQKNQ-RWALYGD 179
QY 450 GSIRPKNQDQCLTXGRDVSSTVINIVSCSXXSXQORWVFTNEXAILNLKXXXXDVAQA 509
DB 180 GSIRPKNQDQCLTCGRDVSSTVINIVSCSAGSGQORWVFTNEGAILNLKGLANDVAQA 239
QY 510 NPKLRRIIYPATGKPNQMWLPV 532
DB 240 NPKLRRIIYPATGKPNQMWLPV 262

RESULT 3

US-09-347-064-8
; Sequence 8, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347.064A

Query Match 44.0%; Score 1151.5; DB 10; Length 252;
Best Local Similarity 91.7%; Pred. No. 2.2e-111; Indels 1; Gaps 1;
Matches 231; Conservative 1; Mismatches 19;

QY 1 YERLRVTHQTTGXEYFRITLLRDYVSSGSFSNEIPULLRQSTIPVSDAQRFLVVELTN 60
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QY 61 QGXDSXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXGSYXDLE 120

Db 62 QGDSITAAIDVNNLYVAYAGDOSYFURDAPRGAEHLFTGTTR--SSLPENGSPDLE 120
 QY 121 RVAGHRDQPLGIXQLIOSVXALRXPGGSTRQARSILILIOIMISEAARENPILWRXRX 180
 Db 121 RVAGHRDQPLGIXQLIOSVXALRXPGGSTRQARSILILIOIMISEAARENPILWRXRX 180
 QY 181 INSGXSFDPDXMYMLELTSWGQOSTOVQHSSTGDFVNNPRLAIXXGNFVTLXNVXVIA 240
 Db 181 INSGXSFDPDXMYMLELTSWGQOSTOVQHSSTGDFVNNPRLAIXXGNFVTLXNVXVIA 240
 QY 241 LAIMLFVCGERP 252
 Db 241 LAIMLFVCGERP 252

RESULT 5

US-09-792-793A-39

; Sequence 39, Application US/09792793A

; Patent No. US20020168370A1

; GENERAL INFORMATION:

; APPLICANT: McDonald, John R.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY

; TISSUE DAMAGE AND DISORDERS

; FILE REFERENCE: 25020-601D

; CURRENT APPLICATION NUMBER: US/09/792,793A

; CURRENT FILING DATE: 2001-02-22

; NUMBER OF SEQ ID NOS: 93

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 39

; LENGTH: 247

; TYPE: PRT

; ORGANISM: Trichosanthens kirilowii

US-09-792-793A-39

Query Match 11.8%; Score 308.5; DB 9; Length 247;
 Best Local Similarity 34.7%; Pred. No. 4.6e-24;
 Matches 83; Conservative 49; Mismatches 94; Indels 13; Gaps 8;

QY 13 TGXEYFRFITLLRDYVSSGFSFSENEIPLRQSTIPVSDAQRFLVLTNQGXDXTAAIDV 72
 Db 10 TSSYGVFISNLRKALPNERKLYDPLR--SSLPFGS--QRYALHILTNAYADETISVAIDV 66
 QY 73 TNXYVYVAYAGDOSYFURDA--PRGAETHLFTGTTRXSSLPFPXGSDYDLERYAGH--RDOIF 130
 Db 67 TNVYIMGYRAGDTSYFFNEASATEAAKXVKDAMRKVTLTPYSGNYERLQTAAGKIRENIF 126
 QY 131 LGIXQLIOSVXALRXPGGSTRQARSILILIOIMISEAARENPILWRXRXINSXGSLFLPD 190
 Db 127 LGLPALDSAITTLFYNNANS--AASALMLVLIQSTSEARARYKFTIEQIGKRVDK--TFLPS 182
 QY 191 XYMLELTSWGQOSTOVQ--HSTDGVFNNPRLAIXXGNFVTLXNVX--VIASLAIML 245
 Db 183 LAIISLENSWSALSQIQIASTNNQGFESPVLINAQORVITITNDAGVVTSNIAILL 241

RESULT 6

US-09-792-793A-34

; Sequence 34, Application US/09792793A

; Patent No. US20020168370A1

; GENERAL INFORMATION:

; APPLICANT: McDonald, John R.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY

; TISSUE DAMAGE AND DISORDERS

; FILE REFERENCE: 25020-601D

; CURRENT APPLICATION NUMBER: US/09/792,793A

; CURRENT FILING DATE: 2001-02-22

; NUMBER OF SEQ ID NOS: 93

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 34

; LENGTH: 247

; TYPE: PRT
 ; ORGANISM: Bryonia dioica
 US-09-792-793A-34

Query Match 10.7%; Score 280; DB 9; Length 247;
 Best Local Similarity 32.0%; Pred. No. 4.1e-21;
 Matches 79; Conservative 52; Mismatches 98; Indels 18; Gaps 60

QY 7 RVTHQTGTXYEFRFITLLRDYVSSGFSFSENEIPLRQSTIPVSDAQRFLVLTNQGXDXTAAIDV 66
 Db 5 RLSGATT--TSYGVFINKLREALPYERKVNIPILRRS---ISGGRYTLLHLTNAYADETI 60
 QY 67 TAAIDVTNXYVYVAYAGDOSYFURDA--PRGAETHLFTGTTRXSSLPFPXGSDYDLERYAGH 125
 Db 61 SVAVDVTNXYVYVAYAGDOSYFURDA--PRGAETHLFTGTTRXSSLPFPXGSDYDLERYAGH 120
 QY 126 -RDQIPGLIXQLIOSVXALRXPGGSTRQARSILILIOIMISEAARENPILWRXRXINSXGSLFLPD 184
 Db 121 IRENIPGLPALDSAITTLFYNNANS--AASALMLVLIQSTSEARARYKFTIEQIGKRVDK-- 177
 QY 185 XSLFDPDXMYMLELTSWGQOSTOVQ--HSTDGVFNNPRLAIXXGN--FVTLXNVXVVI 238
 Db 178 -TFLPSLAITLISLENNWSALSQIQIASTNNQGFESP--VVLIDGNQORVITINASARVVT 234
 QY 239 ASLAIML 245
 Db 235 SNIAILL 241

RESULT 7

US-09-765-527-251

; Sequence 251, Application US/09765527

; Patent No. US20020006638A1

; GENERAL INFORMATION:

; APPLICANT: Better, Marc D.

; TITLE OF INVENTION: Methods for Recombinant Microbial Production of

; Fusion Proteins and BPI-Derived Peptides

; NUMBER OF SEQUENCES: 265

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

; STREET: 6300 Sears Tower, 233 South Wacker Drive

; CITY: Chicago

; STATE: Illinois

; COUNTRY: United States of America

; ZIP: 60606-6402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE: 18-Jan-2001

; PRIOR APPLICATION NUMBER: US/09/765,527

; APPLICATION DATA:

; FILING DATE: 08/621,803

; ATTORNEY/AGENT INFORMATION:

; NAME: Borun, Michael F.

; REGISTRATION NUMBER: 25,447

; REFERENCE/DOCKET NUMBER: 27129/33199

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312/474-6300

; TELEFAX: 312/474-0448

; TELEX: 25-3856

; INFORMATION FOR SEQ ID NO: 251:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 332 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 251:

US-09-765-527-251

US-09-601-667c-1.rapb

Sat Mar 22 10:41:04 2003

Query Match 10.4%; Score 271.5; DB 10; Length 332;
Best Local Similarity 30.1%; Pred. No. 4.7e-20;
Matches 88; Conservative 48; Mismatches 133; Indels 23; Gaps 9;
QY 8 VTHOTTGXEYFRFITLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQXD 64
DB 5 VSFSTKGATYIYVNFELNLRVVKLPKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 62
QY 65 SXTAIDVTNXVYVAYQAGDQSYFLRDAPRGAETHLFTGTTXSSLPFFXGYSYDLERYAG 124
DB 63 LAETIAIDVTSVYVVGQVRNRSYFFKADPAAYEGLFKNTIK-TRLHFGGSYPSLEGEKA 121
QY 125 HRDQIPLGIXQL---TQSVXALRXPGGSTRXQARSILILIQMISEAARF---NPIILWRX 177
DB 122 YRETTDLGIEPLRIGIKKLDENAINDKYKPTETASSLLVVIQWSEAAARFTFIENQIRNRF 181
QY 178 RQXINSXGFLPDXYMLETSSWGQOSTQVQHS-TDGVFNPNPXRLAIXXGNFVTLXNVX 236
DB 182 QQRIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELELANGKYYVTVADQ 235
QY 237 VIASLAIMLFV 247
DB 236 VKPKIALLKVF 246

RESULT 9
US-09-765-527-259
Sequence 259, Application US/09765527
Patent No. US20020006638A1
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/09/765,527
FILING DATE: 18-Jan-2001
PRIOR APPLICATION NUMBER: 08/621,803
APPLICATION DATA:
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 259:
SEQUENCE CHARACTERISTICS:
LENGTH: 293 amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 259:
US-09-765-527-259

Query Match 10.1%; Score 265; DB 10; Length 293;
Best Local Similarity 32.7%; Pred. No. 1.9e-19;
Matches 82; Conservative 36; Mismatches 113; Indels 20; Gaps 8
QY 8 VTHOTTGXEYFRFITLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQXD 64
DB 27 VSFSTKGATYIYVNFELNLRVVKLPKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84

Query Match 10.4%; Score 271.5; DB 10; Length 332;
Best Local Similarity 30.1%; Pred. No. 4.7e-20;
Matches 88; Conservative 48; Mismatches 133; Indels 23; Gaps 9;
QY 8 VTHOTTGXEYFRFITLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQXD 64
DB 27 VSFSTKGATYIYVNFELNLRVVKLPKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84
QY 65 SXTAIDVTNXVYVAYQAGDQSYFLRDAPRGAETHLFTGTTXSSLPFFXGYSYDLERYAG 124
DB 85 LAETIAIDVTSVYVVGQVRNRSYFFKADPAAYEGLFKNTIK-TRLHFGGSYPSLEGEKA 143
QY 125 HRDQIPLGIXQL---TQSVXALRXPGGSTRXQARSILILIQMISEAARF---NPIILWRX 177
DB 144 YRETTDLGIEPLRIGIKKLDENAINDKYKPTETASSLLVVIQWSEAAARFTFIENQIRNRF 203
QY 178 RQXINSXGFLPDXYMLETSSWGQOSTQVQHS-TDGVFNPNPXRLAIXXGNFVTLXNVX 236
DB 204 QQRIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELELANGKYYVTVADQ 257
QY 237 VIASLAIMLFV 247
DB 236 VKPKIALLKVF 246

RESULT 8
US-09-765-527-247
Sequence 247, Application US/09765527
Patent No. US20020006638A1
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/09/765,527
FILING DATE: 18-Jan-2001
PRIOR APPLICATION NUMBER: 08/621,803
APPLICATION DATA:
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 247:
SEQUENCE CHARACTERISTICS:
LENGTH: 251 amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 247:
US-09-765-527-247

Query Match 10.2%; Score 268; DB 10; Length 251;
Best Local Similarity 33.1%; Pred. No. 7.4e-20;
Matches 83; Conservative 35; Mismatches 113; Indels 20; Gaps 7;
QY 8 VTHOTTGXEYFRFITLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQXD 64
DB 27 VSFSTKGATYIYVNFELNLRVVKLPKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84

us-09-601-667c-1.rapb

Sat Mar 22 10:41:04 2003

QY 125 HRDQIPLGIXQL---IQSVXALRXPFGSTRQARSILILIQMISEAARF---NPILWRX 177
 Db 144 YRETTDLGIEPLRIGIKKLDENADINYPKTEIASLLVVIQMVSEAAFTFIENQIRNNF 203
 QY 178 ROXINSXGSLPDXMYMLETSWGOOSTQOVQHS-TDGVFNNPXRLAIXXGNFVTLXNVRX 236
 Db 204 QQRIR-----PANNTISLENKWKLSFOIRTSGANGMFSEAVELERANGKKYYVTVADQ 257
 QY 237 VIASLAIMLFV 247
 Db 258 VKPKIALLKPV 268

RESULT 11
 US-09-792-793A-36
 ; Sequence 36, Application US/09792793A
 ; Patent No. US20020168370A1
 ; GENERAL INFORMATION:
 ; APPLICANT: McDonald, John R.
 ; APPLICANT: Coggin, Philip
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
 ; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
 ; FILE REFERENCE: 25020-601D
 ; CURRENT APPLICATION NUMBER: US/09/792,793A
 ; CURRENT FILING DATE: 2001-02-22
 ; NUMBER OF SEQ ID NOS: 93
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 36
 ; LENGTH: 250
 ; TYPE: PRT
 ; ORGANISM: Momordica charantia
 ; US-09-792-793A-36

Query Match 8.8%; Score 229; DB 9; Length 250;
 Best Local Similarity 30.5%; Pred. No. 8.1e-16;
 Matches 67; Conservative 30; Mismatches 89; Indels 34; Gaps 6;
 QY 6 LRVTHTTGXYEYFRITLLRDVYSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGKXS 65
 Db 10 LDNNPT---YLSFITNRTKVADECTI-----QKISKTFTQRYSDIVLVSSTOK 61
 QY 66 XTAAIDVTNXYVAY-----QAGQSYFLRDAPRGAETHLFTGTTRXS---SLPFXSGYXDL 119
 Db 62 ITLADMDLVLYGSDYDIANNKGRAFFKDVTEAVANNFPFGATGNRIKLTFTGSGYGL 121
 QY 120 ERVAGHRDQIPGIXQLIQSVXALRXPFGSTRQARSILILIQMISEAARFNPILWRXQ 179
 Db 122 EKNGGLKDNPLGIFRLNSIVNIYKAGDVKKQAKFFLLAIQMVSEAAARFKYI----- 175
 QY 180 XINSXGSLP-----DXYMLETSWGOOSTQOVQHS 210
 Db 176 -----SDKIPSEKYEYVTVDEYMTALENNWAKLSTAVYNS 210

RESULT 12
 US-09-978-274A-4
 ; Sequence 4, Application US/09978274A
 ; Patent No. US20020116737A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Thomas, Christopher
 ; APPLICANT: McPherson, Michael
 ; APPLICANT: Atkinson, Howard
 ; APPLICANT: Neelam, Anil
 ; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
 ; FILE REFERENCE: 9341-028
 ; CURRENT APPLICATION NUMBER: US/09/978,274A
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIOR APPLICATION NUMBER: 0025225.4
 ; PRIOR FILING DATE: 2000-10-14
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: Patent In version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 263

QY 65 SXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXSGYXDLERYAG 124
 Db 85 LAETADVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXSGYXDLERYAG 143
 QY 125 HRDQIPLGIXQL---IQSVXALRXPFGSTRQARSILILIQMISEAARF---NPILWRX 177
 Db 144 YRETTDLGIEPLRIGIKKLDENADINYPKTEIASLLVVIQMVSEAAFTFIENQIRNNF 203
 QY 178 ROXINSXGSLPDXMYMLETSWGOOSTQOVQHS-TDGVFNNPXRLAIXXGNFVTLXNVRX 236
 Db 204 QQRIR-----PANNTISLENKWKLSFOIRTSGANGMFSEAVELERANGKKYYVTVADQ 257
 QY 237 VIASLAIMLFV 247
 Db 258 VKPKIALLKPV 268

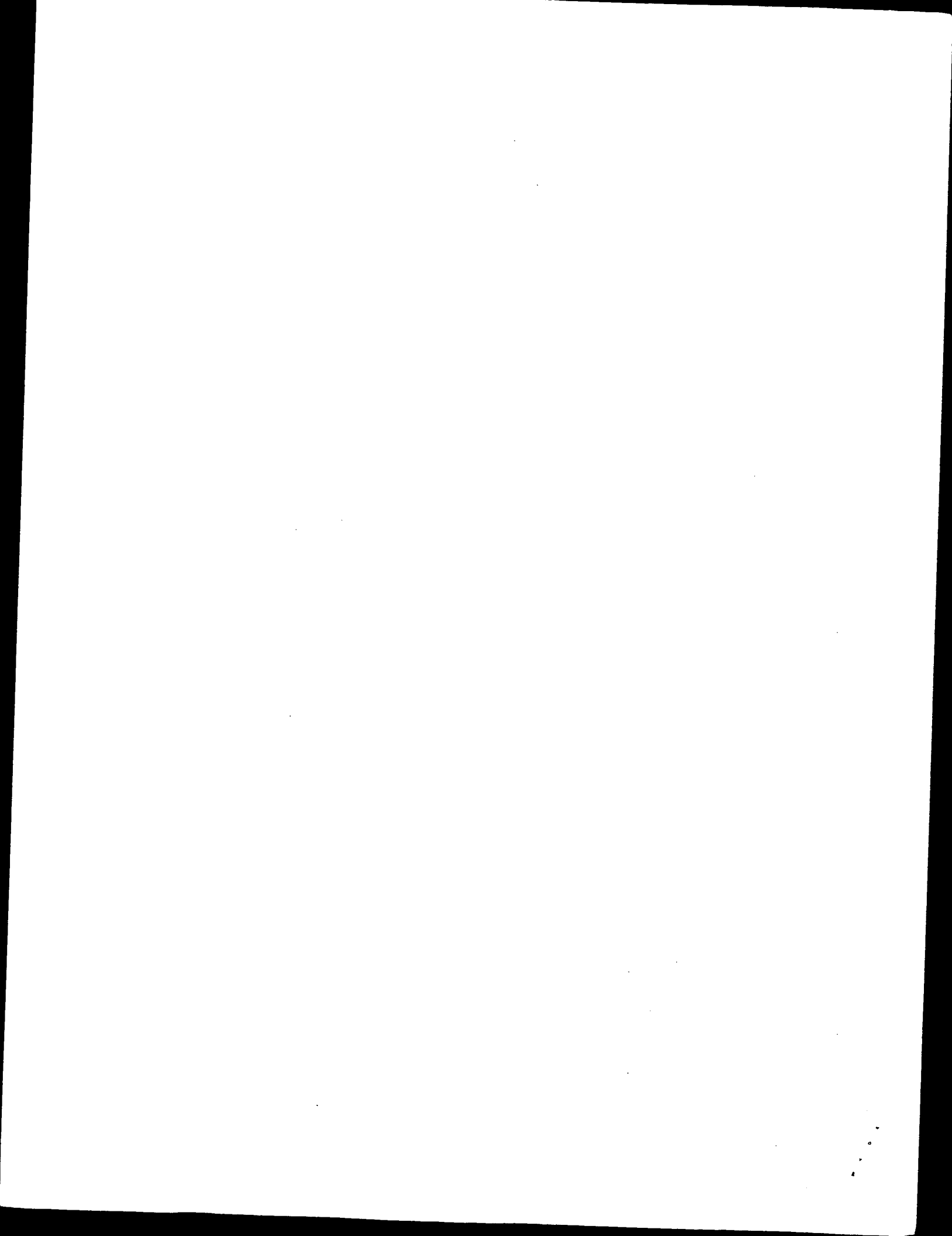
RESULT 10
 US-09-765-527-253
 ; Sequence 253, Application US/09765527
 ; Patent No. US20020006638A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; TITLE OF INVENTION: Methods for Recombinant Microbial Production of
 ; TITLE OF INVENTION: Fusion Proteins and BPI-Derived Peptides
 ; NUMBER OF SEQUENCES: 265
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: United States of America
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/765,527
 ; FILING DATE: 18-Jan-2001
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/621,803
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Borun, Michael F.
 ; REGISTRATION NUMBER: 25,447
 ; REFERENCE/DOCKET NUMBER: 27129/33199
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 253:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 309 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 253:
 ; US-09-765-527-253

Query Match 10.1%; Score 265; DB 10; Length 309;
 Best Local Similarity 32.7%; Pred. No. 2e-19;
 Matches 82; Conservative 36; Mismatches 113; Indels 20; Gaps 7;
 QY 8 VTHQTTGXYEYFRITLLRDY---VSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGXD 64
 Db 27 VSFSTKGATYTYVNFNLKRVKLPKPNHSGIPLLRKCC--DDPGKCVLVALSNDNGQ 84
 QY 65 SXTAAIDVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXSGYXDLERYAG 124
 Db 85 LAETADVTNXYVAYQAGDOSYFLRDAPRGAETHLFTGTTRXSSLPFXSGYXDLERYAG 143

Sat Mar 22 10:41:04 2003

Ddb		4	ITLDLVNPTAG-QYSSSFVDKIRNVKD-----PNLKYGTTDIAVIGPPSKEKFLRINF	55
Qy		59	-TNOGDSXTAALDVNTXVVAYOAGD-----QSYFLRDAPRAE-THLF--TGTRXSS	109
Ddb		56	QSSRGTVSLGLKRD--NLVVAVLAMDVTNNRAYVFSEISTSAESTALFPATTANOKA	113
Qy		110	LPFXXGSXDJERYA-----GHRDPIGLIQTOLQSUXALRXPGSGTRQAOSILILIQM	163
Ddb		114	LEYTEDYQTEKNAQITQGDSQSKELGLIDLLSTMEAVNNKARVVUKDEARFLIIAQM	173
Qy		164	ISEAAENPILWRXROI---NSGXSFDPDXMYLETSWGQQSQTVQ--HSTDGVHNXPX	219
Ddb		174	TEAARF-----RYQLNVLKNPFNSENKVIQFEYNWKKISTATYGDAKNVGFKDY	228
Qy		220	RLAIXGNFVTLXNRVXIASLAIMLFCVGERPSSDDV-----RYWPL	262
Ddb		229	DFG-----FGKVQRQVKLOLQGLLMYLGLKPKSSNEANSIVRHGYPL	268

Search completed: March 22, 2003, 10:37:10
Job time : 22.7284 secs



GenCore version 5.1.4.p5.4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 8.96011 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-2
Perfect score: 1213
Sequence: 1 YERLRLVTHQTTCXEYFRF.....XVIASLAIMLFVCGERPSS 255

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pap:*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pap:*
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- 9: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pap:*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pap:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1155.5	95.3	252	10	US-09-347-064-8
2	1151.5	94.9	252	10	US-09-347-064-2
3	308.5	25.4	247	9	US-09-792-793A-39
4	280	23.1	247	9	US-09-792-793A-34
5	268	22.1	251	10	US-09-765-527-247
6	265	21.8	293	10	US-09-765-527-259
7	265	21.8	309	10	US-09-765-527-253
8	265	21.8	332	10	US-09-765-527-251
9	229	18.9	250	9	US-09-792-793A-36
10	165.5	13.6	263	10	US-09-978-274A-4
11	165.5	13.6	314	10	US-09-978-274A-2
12	153.5	12.7	254	9	US-09-792-793A-85
13	153.5	12.7	275	9	US-09-792-793A-35
14	153.5	12.7	327	9	US-09-792-793A-79
15	153.5	12.7	330	9	US-09-792-793A-82
16	153.5	12.7	332	9	US-09-792-793A-73
17	153.5	12.7	332	9	US-09-792-793A-76
18	119.5	9.9	323	9	US-09-792-793A-80
19	9.5	9.9	325	9	US-09-792-793A-81

20	119	9.8	110	10	US-09-978-274A-8	Sequence 8, Appli
21	114.5	9.4	325	9	US-09-792-793A-74	Sequence 74, Appl
22	114.5	9.4	327	9	US-09-792-793A-75	Sequence 75, Appl
23	113.5	9.4	247	9	US-09-792-793A-83	Sequence 83, Appl
24	113.5	9.4	249	9	US-09-792-793A-84	Sequence 84, Appl
25	113.5	9.4	320	9	US-09-792-793A-77	Sequence 77, Appl
26	113.5	9.4	322	9	US-09-792-793A-71	Sequence 78, Appl
27	113.5	9.4	325	9	US-09-792-793A-71	Sequence 71, Appl
28	113.5	9.4	326	10	US-09-334-477-37	Sequence 72, Appl
29	113.5	9.4	327	9	US-09-334-477-37	Sequence 47, Appl
30	113.5	9.4	690	10	US-09-334-477-47	Sequence 33, Appl
31	113.5	9.4	708	10	US-09-334-477-47	Sequence 37, Appl
32	113	9.3	293	9	US-09-792-793A-37	Sequence 2, Appli
33	113	9.3	315	10	US-09-334-477-2	Sequence 6, Appli
34	113	9.3	318	10	US-09-334-477-6	Sequence 21, Appl
35	113	9.3	323	10	US-09-334-477-25	Sequence 25, Appl
36	113	9.3	326	10	US-09-334-477-25	Sequence 38, Appl
37	112.5	9.3	319	9	US-09-792-793A-38	Sequence 28, Appl
38	112.5	9.3	319	9	US-09-792-793A-38	Sequence 39, Appl
39	112	9.2	329	10	US-09-334-477-39	Sequence 35, Appl
40	112	9.2	711	10	US-09-334-477-35	Sequence 49, Appl
41	111.5	9.2	694	10	US-09-334-477-49	Sequence 14006, A
42	72	5.9	582	10	US-09-815-242-14006	Sequence 4, Appli
43	69	5.7	400	10	US-09-895-211-4	Sequence 6, Appli
44	69	5.7	400	10	US-09-895-211-6	Sequence 124, App
45	69	5.7	426	9	US-10-101-464A-124	

ALIGNMENTS

RESULT 1

US-09-347-064-8
; Sequence 8, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmitt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-8

Query Match

Best Local Similarity 95.3%; Score 1155.5; DB 10; Length 252;
Matches 232; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY	1	YERLRLVTHQTTCXEYFRFTLLRDYVSSGFSNEIPLLROSTIPVSDAQRFLVELTN	60
DB	1	YERLRLVTHQTTCXEYFRFTLLRDYVSSGFSNEIPLLROSTIPVSDAQRFLVELTN	60
QY	61	QGXDSKTAALDVNTXVYVAYQAGDSYFLRDAPGAETHLFTGTRXSLPFGSYXDL	120
DB	61	QGXDSKTAALDVNTXVYVAYQAGDSYFLRDAPGAETHLFTGTRXSLPFGSYXDL	119
QY	121	RYAGHRDQPLGTXHQLIOSVXALRXPGSGTRXQARSILILITOMISEAARNPILWRXQ	180
DB	120	RYAGHRDQPLGIDQLIQSVTALRFFGGSTRTOARSILILITOMISEAARNPILWRARQY	179

us-09-601-667c-2.rapb

Mar 22 10:41:15 2003

SOFTWARE: Patent in Ver. 2.0

SEQ ID NO 39
LENGTH: 247
TYPE: PRT
ORGANISM: Trichosantheus kirilowii
US-09-792-793A-39

Query Match 25.4%; Score 308.5; DB 9; Length 247;
Best Local Similarity 34.7%; Pred. No. 4.1e-28;
Matches 83; Conservative 49; Mismatches 94; Indels 13; Gaps 8;

QY 13 TGXEYFRITLLRDYVSSGFSNEIPLLRQSTIPVSDAORFVLVELTNOGXDSTAAIDV 72
DB 10 TSSSVGVFISNLKALPNERKLYDPLLR-SLPGS--ORYALHLTNYADETISVAIDV 66
QY 73 TNXYVYVAYOAGDOSYFLRDA-PRGAETHLFTGTTRXSSLPFFXGSDYDLERYAGH-RDOIP 130
DB 67 TNVYINGVRAGDTSYFFNEASATEAKYVFKDAMRKVTLTPYSGNYERLQTAAGKIRENIP 126
QY 131 LGIXQLIQSVXALRXPGGSTRXOARSILILIQMISEAARENPIILWRXQXINSXGFLPD 190
DB 127 LGLPALDSAITTLFFYNANS--AASALMVLIQSTSEARFYKFFEQOIGKRVDK--TFLPS 182
QY 191 XYMLETSGWQOSTQV--HSTGDGVFNFXRLAIXXGNFVTLXNVRX--VIASLAIML 245
DB 183 LAIISLNSWSALSQKQIASTNNGQFSPWLINAQNRVTITNVDAGVVTSNIAALL 241

RESULT 4

US-09-792-793A-34

Sequence 34, Application US/09792793A

Patent No. US20020168370A1

GENERAL INFORMATION:

APPLICANT: McDonald, John R.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE

TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS

FILE REFERENCE: 25020-601D

CURRENT APPLICATION NUMBER: US/09/792,793A

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 93

SOFTWARE: Patent in Ver. 2.0

SEQ ID NO 34

LENGTH: 247

TYPE: PRT

ORGANISM: Bryonia dioica

US-09-792-793A-34

Query Match 23.1%; Score 280; DB 9; Length 247;

Best Local Similarity 32.0%; Pred. No. 8.5e-25;

Matches 79; Conservative 52; Mismatches 98; Indels 18; Gaps 9;

QY 7 RVHTQTGTGXEYFRITLLRDYVSSGFSNEIPLLRQSTIPVSDAORFVLVELTNOGXDSTX 66
DB 5 RLSGATT-TSGVFIKNLREALPYERKVNIPLLRSS---ISGGRYTLHLTNYADETI 60
QY 67 TAAIDVTNXYVYVAYOAGDOSYFLRDA-PRGAETHLFTGTTRXSSLPFFXGSDYDLERYAGH 125
DB 61 SVAVDVTNXYVYVAYOAGDOSYFLRDA-PRGAETHLFTGTTRXSSLPFFXGSDYDLERYAGH 120
QY 126 -RDOIPGLGIXQLIQSVXALRXPGGSTRXOARSILILIQMISEAARENPIILWRXQXINSX 184
DB 121 TRENIPGLGIPALDSAITTLFFYNANS--AASALMVLIQSTSEARFYKFFEQOIGKRVDK- 177
QY 185 XSFLPDXYMLETSGWQOSTQV--HSTGDGVFNFXRLAIXXGNFVTLXNVRXVI 238
DB 178 -TFLPSLATISLNSWSALSQKQIASTNNGQFSP--VVLIDGNQNRVITNASARVVT 234
QY 239 ASLAIML 245
DB 235 SNIAALL 241

RESULT 3

US-09-792-793A-39

Sequence 39, Application US/09792793A

Patent No. US20020168370A1

GENERAL INFORMATION:

APPLICANT: McDonald, John R.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND

TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS

FILE REFERENCE: 25020-601D

CURRENT APPLICATION NUMBER: US/09/792,793A

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 93

QY 181 INSGXFLPDXYMLETSGWQOSTQVHSTGDGVFNFXRLAIXXGNFVTLXNVRXVIAS 240
DB 180 INSGXFLPDXYMLETSGWQOSTQVHSTGDGVFNFXRLAIXXGNFVTLXNVRXVIAS 239
QY 241 LAIMLFVCGERP 253
DB 240 LAIMLFVCGERP 252

RESULT 2

US-09-347-064-2

Sequence 2, Application US/09347064A

Patent No. US20020045208A1

GENERAL INFORMATION:

APPLICANT: Eck, Jurgen

APPLICANT: Zinke, Holger

TITLE OF INVENTION: Recombinant Fusion Proteins Based on

TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

TITLE OF INVENTION: album

FILE REFERENCE: 09282-5

CURRENT APPLICATION NUMBER: US/09/347,064A

CURRENT FILING DATE: 1999-07-02

EARLIER APPLICATION NUMBER: PCT/EP98/00009

EARLIER FILING DATE: 1998-01-02

EARLIER FILING DATE: 1997-01-02

NUMBER OF SEQ ID NOS: 38

SOFTWARE: Patent in Ver. 2.1

SEQ ID NO 2

LENGTH: 252

TYPE: PRT

ORGANISM: Viscum album

US-09-347-064-2

Query Match 94.9%; Score 1151.5; DB 10; Length 252;

Best Local Similarity 91.7%; Pred. No. 2.5e-126;

Matches 231; Conservative 1; Mismatches 19; Indels 1; Gaps 1;

QY 1 YERLRLVTHQTGTGXEYFRITLLRDYVSSGFSNEIPLLRQSTIPVSDAORFVLVELTN 60

DB 2 YERLRLVTHQTGTGXEYFRITLLRDYVSSGFSNEIPLLRQSTIPVSDAORFVLVELTN 61

QY 61 QGXDSTAAIDVTNXYVYVAYOAGDOSYFLRDA-PRGAETHLFTGTTRXSSLPFXGSDYDL 120

DB 62 QGSDSTAAIDVTNXYVYVAYOAGDOSYFLRDA-PRGAETHLFTGTTRXSSLPFXGSDYDL 120

QY 121 RYAGHRDQIPGLGIXQLIQSVXALRXPGGSTRXOARSILILIQMISEAARENPIILWRXQX 180

DB 121 RYAGHRDQIPGLGIXQLIQSVXALRXPGGSTRXOARSILILIQMISEAARENPIILWRXQX 180

QY 181 INSGXFLPDXYMLETSGWQOSTQVHSTGDGVFNFXRLAIXXGNFVTLXNVRXVIAS 240

DB 181 INSGXFLPDXYMLETSGWQOSTQVHSTGDGVFNFXRLAIXXGNFVTLXNVRXVIAS 240

QY 241 LAIMLFVCGERP 252

DB 241 LAIMLFVCGERP 252

<p>RESULT 5</p> <p>US-09-765-527-247</p> <p>; Sequence 247, Application US/09765527</p> <p>; Patent No. US20020006638A1</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: Better, Marc D.</p> <p>; TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides</p> <p>; NUMBER OF SEQUENCES: 265</p> <p>; CORRESPONDENCE ADDRESS:</p> <p>; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun</p> <p>; STREET: 6300 Sears Tower, 233 South Wacker Drive</p> <p>; CITY: Chicago</p> <p>; STATE: Illinois</p> <p>; COUNTRY: United States of America</p> <p>; ZIP: 60606-6402</p> <p>; COMPUTER READABLE FORM:</p> <p>; MEDIUM TYPE: Floppy disk</p> <p>; COMPUTER: IBM PC compatible</p> <p>; OPERATING SYSTEM: PC-DOS/MS-DOS</p> <p>; SOFTWARE: Patent in Release #1.0, Version #1.25</p> <p>; CURRENT APPLICATION DATA:</p> <p>; FILING DATE: 18-Jan-2001</p> <p>; APPLICATION NUMBER: US/09/765,527</p> <p>; PRIOR APPLICATION DATA:</p> <p>; APPLICATION NUMBER: 08/621,803</p> <p>; FILING DATE: <Unknown></p> <p>; ATTORNEY/AGENT INFORMATION:</p> <p>; NAME: Borun, Michael F.</p> <p>; REGISTRATION NUMBER: 25,447</p> <p>; REFERENCE/DOCKET NUMBER: 27129/33199</p> <p>; TELECOMMUNICATION INFORMATION:</p> <p>; TELEPHONE: 312/474-6300</p> <p>; TELEFAX: 312/474-0448</p> <p>; TELEX: 25-3856</p> <p>; INFORMATION FOR SEQ ID NO: 247:</p> <p>; SEQUENCE CHARACTERISTICS:</p> <p>; TYPE: amino acid</p> <p>; TOPOLOGY: linear</p> <p>; MOLECULE TYPE: protein</p> <p>; SEQUENCE DESCRIPTION: SEQ ID NO: 247:</p> <p>US-09-765-527-247</p>	<p>Query Match 22.1%; Score 268; DB 10; Length 251;</p> <p>Best Local Similarity 33.1%; Pred. No. 2.2e-23;</p> <p>Matches 83; Conservative 35; Mismatches 113; Indels 20; Gaps</p> <p>QY 8 VTHTTQXCYFRFTLLRDY---VSSGSFSEIPLLRQSTIPVSDAQRFFVLVELTNGXD 64</p> <p>Db 5 VFSSTKGTATVTVNLFNEURVKLKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 62</p> <p>QY 65 SXTAAIDVTNXYVAYQAGDSYFLRDAPRGAETHLFTGTRXSLLPFXGSYXDLERYAG 124</p> <p>Db 63 LAETADVTSVVGVQVRNRSYFFKDAPDAAYEGLFKNTIK-TRLHFGSGYPSLEGEKA 121</p> <p>QY 125 HRQIPLIGIXQL---TQSVVALXPGGSTRQXARSIIILQIMISEAARF---NPILWRX 177</p> <p>Db 122 YRETTDLGIEPLRIGIKKLDENADNYKPTETIASLLVVIQWVSEAAARFTFIENQIRNNF 181</p> <p>QY 178 ROXINSXGSLPDXKYMLETSGQOSTQVQHS--TDGVENNPXRLATXXGNFVTLXNVRX 236</p> <p>Db 182 QQRIQIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTVADQ 235</p> <p>QY 237 VIASLAIMLFV 247</p> <p>Db 236 VKPKIALLKPV 246</p> <p>RESULT 6</p> <p>US-09-765-527-259</p> <p>; Sequence 259, Application US/09765527</p> <p>; Patent No. US20020006638A1</p>	<p>GENERAL INFORMATION:</p> <p>APPLICANT: Better, Marc D.</p> <p>TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides</p> <p>NUMBER OF SEQUENCES: 265</p> <p>CORRESPONDENCE ADDRESS:</p> <p>ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun</p> <p>STREET: 6300 Sears Tower, 233 South Wacker Drive</p> <p>CITY: Chicago</p> <p>STATE: Illinois</p> <p>COUNTRY: United States of America</p> <p>ZIP: 60606-6402</p> <p>COMPUTER READABLE FORM:</p> <p>MEDIUM TYPE: Floppy disk</p> <p>COMPUTER: IBM PC compatible</p> <p>OPERATING SYSTEM: PC-DOS/MS-DOS</p> <p>SOFTWARE: Patent in Release #1.0, Version #1.25</p> <p>CURRENT APPLICATION DATA:</p> <p>FILING DATE: 18-Jan-2001</p> <p>APPLICATION NUMBER: US/09/765,527</p> <p>PRIOR APPLICATION DATA:</p> <p>APPLICATION NUMBER: 08/621,803</p> <p>FILING DATE: <Unknown></p> <p>ATTORNEY/AGENT INFORMATION:</p> <p>NAME: Borun, Michael F.</p> <p>REGISTRATION NUMBER: 25,447</p> <p>REFERENCE/DOCKET NUMBER: 27129/33199</p> <p>TELECOMMUNICATION INFORMATION:</p> <p>TELEPHONE: 312/474-6300</p> <p>TELEFAX: 312/474-0448</p> <p>TELEX: 25-3856</p> <p>INFORMATION FOR SEQ ID NO: 247:</p> <p>SEQUENCE CHARACTERISTICS:</p> <p>TYPE: amino acid</p> <p>TOPOLOGY: linear</p> <p>MOLECULE TYPE: protein</p> <p>SEQUENCE DESCRIPTION: SEQ ID NO: 247:</p> <p>US-09-765-527-247</p>	<p>Query Match 21.8%; Score 265; DB 10; Length 293;</p> <p>Best Local Similarity 32.7%; Pred. No. 6e-23;</p> <p>Matches 82; Conservative 36; Mismatches 113; Indels 20; Gaps</p> <p>QY 8 VTHTTQXCYFRFTLLRDY---VSSGSFSEIPLLRQSTIPVSDAQRFFVLVELTNGXD 64</p> <p>Db 27 VFSSTKGTATVTVNLFNEURVKLKPGNSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84</p> <p>QY 65 SXTAAIDVTNXYVAYQAGDSYFLRDAPRGAETHLFTGTRXSLLPFXGSYXDLERYAG 124</p> <p>Db 85 LAETADVTSVVGVQVRNRSYFFKDAPDAAYEGLFKNTIK-TRLHFGSGYPSLEGEKA 143</p> <p>QY 125 HRQIPLIGIXQL---TQSVVALXPGGSTRQXARSIIILQIMISEAARF---NPILWRX 177</p> <p>Db 144 YRETTDLGIEPLRIGIKKLDENADNYKPTETIASLLVVIQWVSEAAARFTFIENQIRNNF 203</p> <p>QY 178 ROXINSXGSLPDXKYMLETSGQOSTQVQHS--TDGVENNPXRLATXXGNFVTLXNVRX 236</p> <p>Db 204 QQRIQIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTVADQ 257</p> <p>QY 237 VIASLAIMLFV 247</p> <p>Db 258 VKPKIALLKPV 268</p> <p>RESULT 7</p> <p>US-09-765-527-253</p> <p>; Sequence 253, Application US/09765527</p> <p>; Patent No. US20020006638A1</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: Better, Marc D.</p> <p>; TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides</p>
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us-09-601-667c-2.rapp

CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,527
FILING DATE: 18-Jan-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/621,803
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 251:
SEQUENCE CHARACTERISTICS:
LENGTH: 332 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 251:
US-09-765-527-251

Query Match 21.8%; Score 265; DB 10; Length 332;
Best Local Similarity 32.7%; Pred. No. 7e-23;
Matches 82; Conservative 36; Mismatches 113; Indels 20; Gaps 7;

Qy	8	VTHQTTGXEFREITILLRDY--VSSGSPSNRIPILLRQSTIPVSDAQRPVVLVLLINQKAD	84
Db	27	VSPSTKGATVITYVNFNLNRLVKLKEGNSHGIPILLRKC--DDPKCFVLVALSNDNQ	84
Qy	65	SXTAAIDVTNKXVVYVYVQAGDQSYFLRDAQPRGAETHLFTGTTTRKSSLLPFXGSDXDRLERYAG	124
Db	85	LAERIAIDVTSVVYVGVQVRNRSYFFKADPDAAVEGLFKNTIK--TRLHFQGTGTPSLEGEKA	143
Qy	125	HRDOIPLGIXQL---TQSVXALRXPQGSTRXQARSITLILLOMISAARE---NPILMRX	177
Db	144	YRETTDUGISPLRIGIKKUDENAIQNKYTEATASSLLVVIQWVSEAAARFTFIENQIRNNF	203
Qy	178	ROXKNCXSLPDXMYMLETSGWGQOSTQVQHS--TQGVFNPNXRLAIXXGNFVTLXNVRX	236
Db	204	QQRIR-----PANNTIISLNKWKGLSFQIRTSGANGMPFSEAVELERANGKKYVYTVADQ	257
Qy	237	VIASLAIMLFV	247
Db	258	VKPKIALLKVF	268

```

RESULT 9
US-09-792-793A-36
; Sequence 36, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coghins, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 250

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; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion prot
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-79

Query Match          12.7%; Score 153.5; DB 9; Length 327;
Best Local Similarity 27.4%; Pred. No. 6.7e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 5 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 56

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 57 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 114

QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 115 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 174

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 175 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 226

RESULT 13
US-09-792-793A-35
; Sequence 35, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Saponaria officinalis
US-09-792-793A-35

Query Match          12.7%; Score 153.5; DB 9; Length 275;
Best Local Similarity 27.4%; Pred. No. 5.4e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 4 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 55

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 56 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 113

QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 114 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 173

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 174 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 225

RESULT 14
US-09-792-793A-79
; Sequence 79, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion pro
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-82

Query Match          12.7%; Score 153.5; DB 9; Length 330;
Best Local Similarity 27.4%; Pred. No. 6.8e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 81 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 132

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 133 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 190

QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 191 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 250

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 251 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 302
```

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; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion prot
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-79

Query Match          12.7%; Score 153.5; DB 9; Length 327;
Best Local Similarity 27.4%; Pred. No. 6.7e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 5 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 56

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 57 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 114

QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 115 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 174

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 175 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 226

RESULT 13
US-09-792-793A-35
; Sequence 35, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Saponaria officinalis
US-09-792-793A-35

Query Match          12.7%; Score 153.5; DB 9; Length 275;
Best Local Similarity 27.4%; Pred. No. 5.4e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 4 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 55

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 56 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 113

QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 114 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 173

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 174 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 225

RESULT 14
US-09-792-793A-79
; Sequence 79, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion pro
; OTHER INFORMATION: 1-Beta-AM-SAPORIN
US-09-792-793A-82

Query Match          12.7%; Score 153.5; DB 9; Length 330;
Best Local Similarity 27.4%; Pred. No. 6.8e-10;
Matches 65; Conservative 41; Mismatches 92; Indels 39; Gaps 12;

QY 4 LRLRVTHQTGXEYFRFTLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRFLVLVEL 58
Db 81 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLKYGGTDIAVIGPPSKEKFLRINF 132

QY 59 -TNQGXDSXTAAIDVTNXYVAYQAGD-----QSYFLRDAPRGAE--THLF--TGTRXSS 109
Db 133 QSSRGTVSLGLKRD--NLYVWAYLAMNTNVRAYFRSEITSAESTALFPEATTANOKA 190

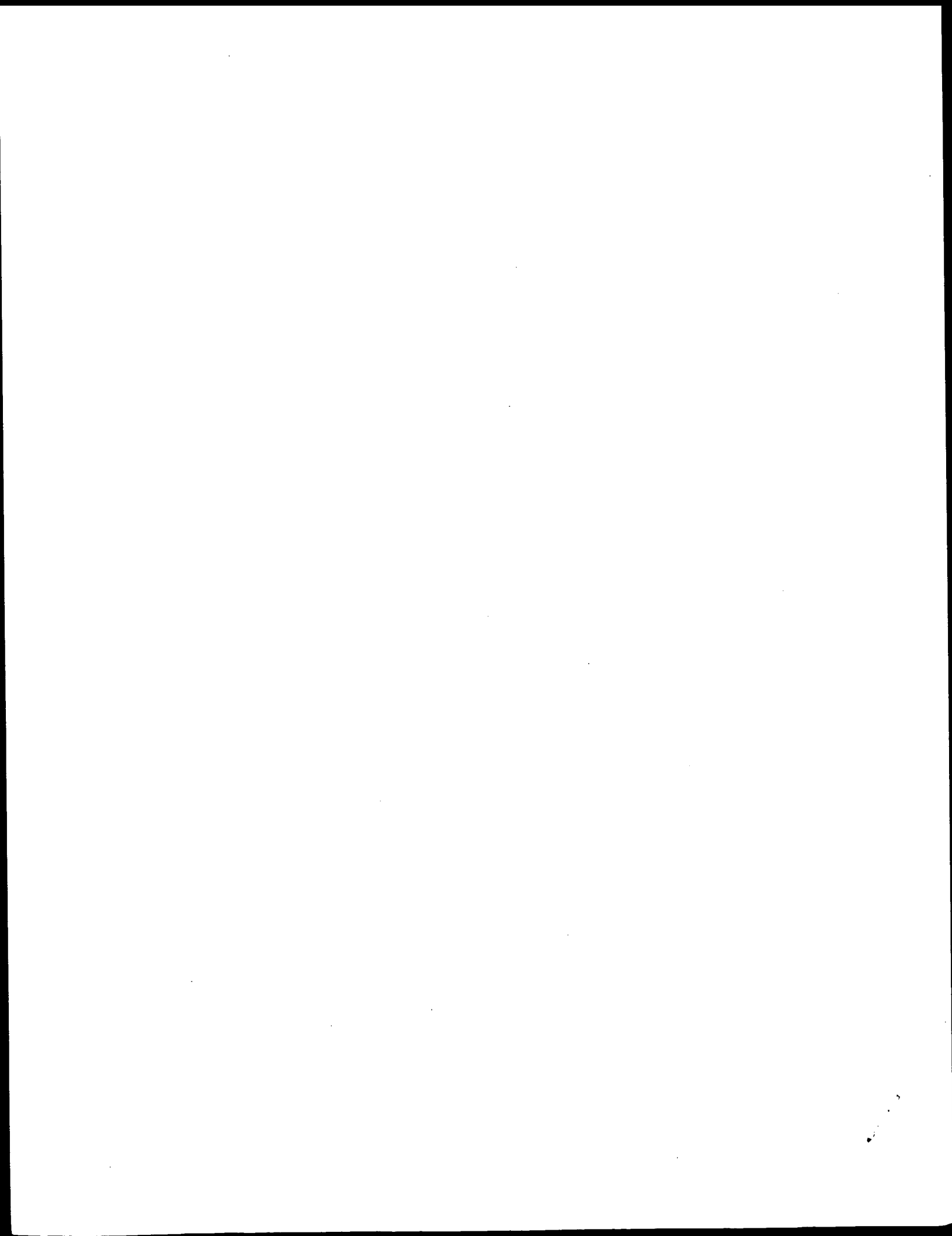
QY 110 LPFXGSYXDLERYA-----GHRDOIPLGIXQLIOSVXALRXPGGSTRXQARSILILIQM 163
Db 191 LEYTEDYQSIENKNAQITQGDQSRKELGIDLLSTSMKAVNKKARVVKDEARFLLIAIQM 250

QY 164 ISEAAARFNPILWRXRXQXI---NSGXSFLPDXYMLETSGWQOSTQVQ--HSTDGVFN 216
Db 251 TAEAAARF-----RYIQNLVKNFNPKNFNSKNVIOFEVNNKKISTAIYGDKNGVFN 302
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Sat Mar 22 10:41:15 2003

Search completed: March 22, 2003, 10:37:11
Job time : 9.96011 secs

us-09-601-667c-2.rapb



GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.27635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-3

Perfect score: 1327

Sequence: 1 DDVTCASEPTVIRVGRXGM.....RRIIYPATGKPNQWMLPVX 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 21153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
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9: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267.5	95.5	263	10	US-09-347-064-10
2	1267.5	95.5	267	10	US-09-347-064-10
3	162	12.2	145	12	US-10-074-527-5
4	119.5	9.0	135	9	US-09-973-457-5
5	119.5	9.0	135	12	US-10-074-527-5
6	117.5	8.9	480	10	US-09-770-621-5
7	117.5	8.9	492	10	US-09-770-621-5
8	117.5	8.9	492	10	US-09-770-621-5
9	115.5	8.7	491	10	US-09-770-621-5
10	79	6.0	295	10	US-09-770-621-8
11	78	5.9	612	12	US-10-001-851-25
12	78	5.9	1781	9	US-09-995-749A-25
13	76	5.7	434	10	US-09-770-621-6
14	75.5	5.7	356	9	US-09-976-059-8
15	75.5	5.7	770	10	US-09-815-656-31
16	73.5	5.5	435	9	US-10-000-512-18
17	70.5	5.3	559	12	US-10-001-851-23
18	70.5	5.3	626	12	US-10-001-851-27
19	70	5.3	44	10	US-09-924-358-30

20	70	5.3	44	10	US-09-924-358-31
21	70	5.3	44	10	US-09-924-358-31
22	69.5	5.2	2353	10	US-09-797-862-33
23	68.5	5.2	678	10	US-09-801-368-314
24	68	5.1	846	10	US-09-815-242-13904
25	67.5	5.1	192	10	US-09-967-347-4
26	67.5	5.1	425	9	US-09-813-398-32
27	67	5.0	590	9	US-10-002-050-12
28	67	5.0	590	9	US-10-002-050-12
29	67	5.0	590	12	US-10-003-152-12
30	67	5.0	596	9	US-10-002-050-14
31	67	5.0	596	9	US-10-003-152-14
32	67	5.0	596	12	US-10-003-152-14
33	67	5.0	624	9	US-10-002-050-22
34	67	5.0	624	12	US-10-003-152-22
35	67	5.0	785	9	US-09-989-920-218
36	67	5.0	833	9	US-10-149-819-4
37	67	5.0	833	12	US-10-001-851-24
38	66.5	5.0	559	12	US-10-001-851-29
39	66.5	5.0	579	12	US-09-738-626-6480
40	66.5	5.0	1295	9	US-09-758-003-2
41	66	5.0	671	10	US-09-862-027-29
42	66	5.0	671	10	US-09-900-575-43
43	65.5	4.9	279	10	US-09-964-899-7
44	65.5	4.9	332	9	US-09-347-064-16
45	65	4.9	12	10	US-09-347-064-16

ALIGNMENTS

RESULT 1

US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1

GENERAL INFORMATION:

APPLICANT: Eck, Jurgen
APPLICANT: Schmidt, Arno
APPLICANT: Zinke, Holger
TITLE OF INVENTION: Recombinant Fusion Proteins Based on
TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
FILE REFERENCE: 09282-5
CURRENT APPLICATION NUMBER: US/09/347,064A
CURRENT FILING DATE: 1999-07-02
EARLIER APPLICATION NUMBER: PCT/EP98/00009
EARLIER FILING DATE: 1998-01-02
EARLIER APPLICATION NUMBER: EP 97 10 0012.0
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10

LENGTH: 263

TYPE: PRT

ORGANISM: Viscum album

US-09-347-064-10

Query Match

Best Local Similarity 95.5%; Score 1267.5; DB 10; Length 263;
Matches 241; Conservative 1; Mismatches 20; Indels 1; Gaps 1;

QY	1	DDVTCASEPTVIRVGRXGMVDRDDDFHGNQIQWFPSKNNPNQLWTIKRDXTRS	60
DB	1	DDVTCASEPTVIRVGRNMCVDRDDDFRDNQIQWFPSKNNPNQLWTIKRDXTRS	60
QY	61	NGSCLTTTGYTAGVYVMIFDCNTAVREATVQIWNKGTIINPRNLVLAASSGIGKTTLT	120
DB	61	NGSCLTTTGYTAGVYVMIFDCNTAVREATVQIWNKGTIINPRNLVLAASSGIGKTTLT	120
QY	121	VOTLDYTLGQGWLAGNDTAPREVTIYGRDLCMESNXGSVWVETCXSSQXNOXXWALYGD	180
DB	121	VOTLDYTLGQGWLAGNDTAPREVTIYGRDLCMESNXGSVWVETCXSSQXNOXXWALYGD	179

RESULT 5
US-10-074-527-6
: Sequence 6, Application US/10074527

RESULT 3
US-10-074-527-5
Sequence 5, Application US/10074527
Patent No. US20020142426A1
GENERAL INFORMATION:
APPLICANT: Olandt, Peter J.
APPLICANT: Meyers, Rachel E.
APPLICANT: Galvin, Katherine A.
APPLICANT: Millennium Pharmaceuticals Inc.
TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
TITLE OF INVENTION: Uses Thereof
FILE REFERENCE: MPI2001-018P/RCFA (M)
CURRENT APPLICATION NUMBER: US/10/074, 527

Patent No. US20020142426A1
GENERAL INFORMATION:
APPLICANT: Olandt, Peter J.
APPLICANT: Meyers, Rachel E.
APPLICANT: Galvin, Katherine A.
APPLICANT: Millennium Pharmaceuticals Inc.
TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
FILE REFERENCE: MPI2001-018PINCPI(M)
CURRENT APPLICATION NUMBER: US/10/074,527
CURRENT FILING DATE: 2002-02-12
PRIOR APPLICATION NUMBER: 60/269202
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 135
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: consensus
US-10-074-527-6

Query Match 9.0%; Score 119.5; DB 12; Length 135;
Best Local Similarity 29.1%; Pred. No. 1.7e-05;
Matches 41; Conservative 18; Mismatches 61; Indels 21; Gaps
8;
QY 14 IVGRXGMXVDV--RDDDFHGNQIQWPSKNNNDPNQLWTI---KRDXTIRNSGS-CLTT 67
Db 7 IGGTGLCLDVGNSKSDGNPVLQWDPCHGGG--NQLWKLTYSNDSGAIRNSDLCLTV 64
QY 68 YGYTAGVYVVFDCNTAVR--EATIQWIXNGTINPRSNLVLAASSGKGTTLTVQILD 125
Db 65 NG-----TVLYSCDGTCKGNDNQWYKNGTIRNPK-NSKKGVDSG-----LCLDVKD 113
QY 126 YTLGQWLAGNDTAPREVITY 146
Db 114 GNKVQLWTCNGSDAPNQWIF 134

RESULT 6
US-09-770-621-5
Sequence 5, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M ntyl , Arja
APPLICANT: Vehmaanper , Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-5
Query Match 8.9%; Score 117.5; DB 10; Length 480;
Best Local Similarity 31.4%; Pred. No. 0.00014;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps
3;
QY 22 VDVRDDDFHGNQIQWPSKNNNDPNQLWTIKRDXTIRNSGS-CLTTYGYTAGVYVWIFD 80
Db 379 IDVPNGNTADGTQVLYDCHSGS--NQWYITSSGEPFRIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIQWIXNGTINPRSNLVLAASSGKGTTLTVQ 122
Db 437 CWGGANQK--WELRADGTIVGVQSLCLDAVGGTGNGTRLQ 476
RESULT 7
US-09-770-621-4
Sequence 4, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M ntyl , Arja
APPLICANT: Vehmaanper , Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:

35

3;

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; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 491 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20010024815A1 Relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
US-09-770-621-8

Query Match      8.7%; Score 115.5; DB 10; Length 491;
Best Local Similarity 27.9%; Pred. No. 0.00024;
Matches 39; Conservative 19; Mismatches 63; Indels 19; Gaps

QY 7 ASEP-----TVRIVRGXGMXVDVDRDDDFHDGNQIQWLWPSKSNNDPNQLMTIKRD 55
Db 354 SSEPPXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQLWDCHSGT--NQQWAATDA 410
QY 56 XTIRNSG-SCLTGYTAGVVMIFDCNTAVREATIWIQWNGTIINPRSNLVLA--SS 112
Db 411 GEIRVYGDKLDAAAGTNGSKVQIYSCWGDNQK--WRLNSDGSVVGQSGICLDAVNG 468
QY 113 GIKGTTLTVTQDLYTLGGGW 132
Db 469 TANGTLIQLVTCNSGNSQNRW 488

RESULT 10
US-09-815-242-11833
; Sequence 11833, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Cart, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011a
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
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; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 11833
; LENGTH: 295
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-11833

Query Match      6.0%; Score 79; DB 10; Length 295;
Best Local Similarity 22.0%; Pred. No. 1.1;
Matches 48; Conservative 36; Mismatches 100; Indels 34; Gaps 10;

QY 2 DVTCASPTVRIVRGXGMXVDVDRDDDFHDGNQIQWLWPSKSNNDPNQLMTIKRDXTIRSN 61
Db 37 DVNAALLETROLLASSGVSTAVDVADREQVQADKAAASEHGRVNLIFNNAGVAHA 96
QY 62 GSCLTGYTAGVVMIFDCNTAVREATIWIQWNGTIINPRSNLVLAASSGIKGTTLTV 121
Db 97 G---TVEGSDYSEYEWIMNIN-----FMGV-VNGT----KAFPLHLKASG-NGHVVNV 140
QY 122 QTLDTYTLGO-GWLAGNDTAPREVTIYGF-----RDLCMESNX-----GSVWVETCKS 167
Db 141 SSVFGLFAQPGMSAYNAT---KYAVRGFTESLRQELDMEDSGVSASCVHPGGIKTNIART 197
QY 168 SQNXQXWALYDGSIRPK-QNODQCLTXGRDSVSTVI 204
Db 198 ARNMESMAKVTGQAPDKAREQFNDQLLRTTPKAAQVI 235

RESULT 11
US-10-001-851-25
; Sequence 25, Application US/10001851
; Patent No. US20020115628A1
; GENERAL INFORMATION:
; APPLICANT: MEYERS, Rachel A.
; APPLICANT: WILLIAMSON, Mark
; TITLE OF INVENTION: 47169 and 33935, No. US20020115628A1el Human Glycosyl Transferase
; FILE REFERENCE: Uses Thereof
; FILE REFERENCE: 10147-56U1
; CURRENT APPLICATION NUMBER: US/10/001,851
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: US 60/249,939
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-001-851-25

Query Match      5.9%; Score 78; DB 12; Length 612;
Best Local Similarity 20.5%; Pred. No. 3.5;
Matches 44; Conservative 30; Mismatches 107; Indels 34; Gaps 10;

QY 66 TTYGYTAGVVMIFDCNTAVREATIWIQWNG---TIINPRSNLVLAASSGIKGTTLTVQ 122
Db 404 TPYTFPGGTAKVIH--HNAARTAEVMDEYKAFYKVMVPAARNVEAGDYSEKRLRETLQ 461
QY 123 TLDYTLGGWLAGN-----DTAPREVTIYGRDLCMESN-----XGSVWVETCKSSQ 169
Db 462 CKSPK---WYLENTIYPEAPLPADFRSLGAIVNRFTKCVDTNGKDGQAPGQACHGAG 517
QY 170 XNOXXWALYDGSIRPKQNOQCLTXGR-DSVSTVINIVSCSXSSXQXRVWFT--NEXA 225
Db 518 GNQ-AWSLTGKEIR---SDDLCLSSGHVYQIGSELKERCVSINVKHFVFDQAGT 573
QY 226 ILNLKXXXXVAQANPKLRRIIITYPATGKPNQW 260
Db 574 LLHKKTGKCVTGADQRVTLDEC---GLGRKDQW 604

RESULT 12
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/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/770,621
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/590,563
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/332,412
/ FILING DATE: 31-OCT-1994
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/282,001
/ FILING DATE: 29-JUL-1994
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Bugaisky, Lawrence B.
/ REGISTRATION NUMBER: 35,086
/ REFERENCE/DOCKET NUMBER: 1050.0340003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-371-2600
/ TELEFAX: 202-371-2540
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 434 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: No. US20010024815A1 Relevant
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ POSITION IN GENOME:
/ CHROMOSOME/SEGMENT: UO8894
/ US-09-770-621-6

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Best Local Similarity 34.8%; Pred. No. 3.7;
Matches 24; Conservative 8; Mismatches 33;

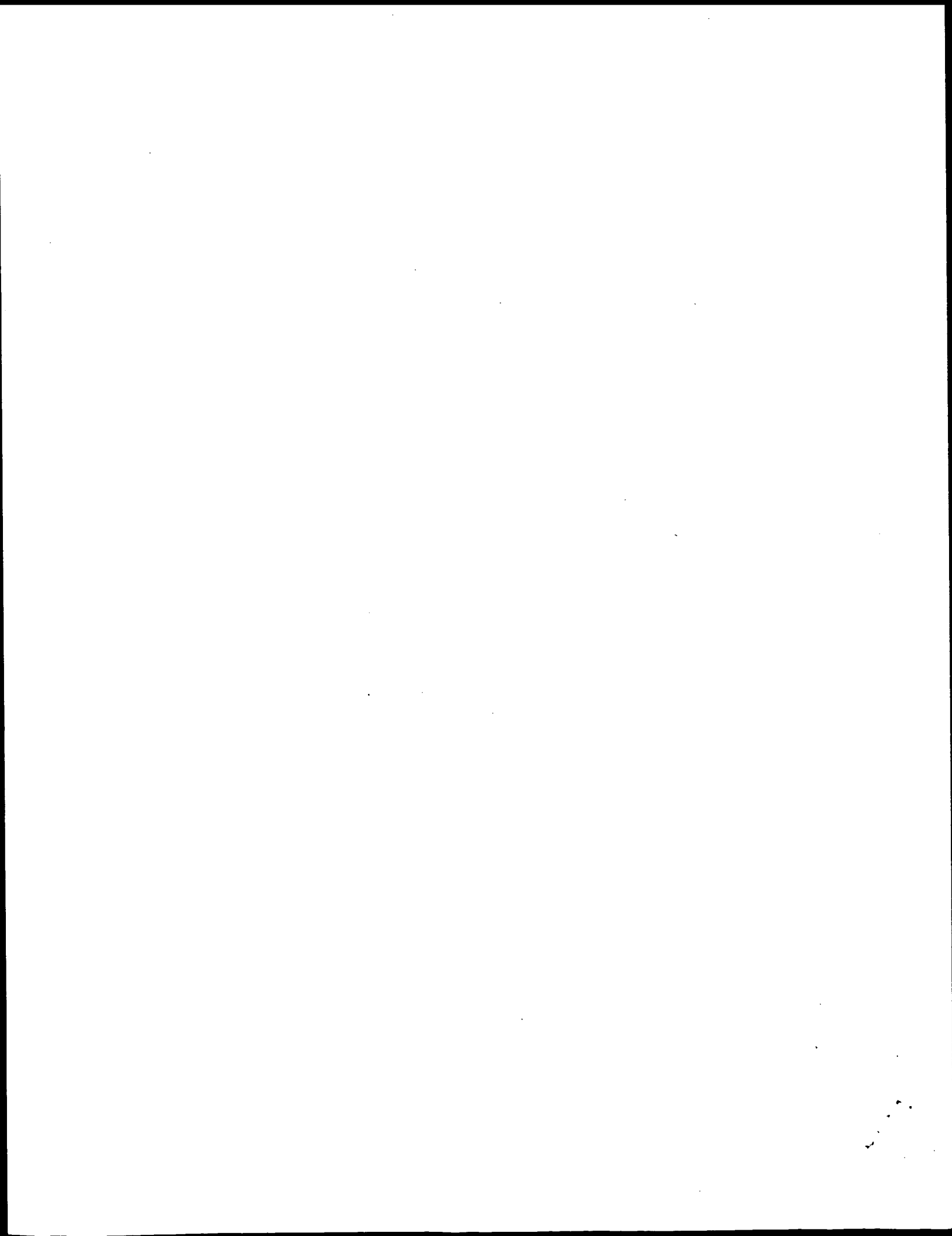
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Db 426 TNGGTYKVOI 434

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RESULT 14
US-09-976-059-8
; Sequence 8, Application US/09976059
; Patent No. US20020184741
; GENERAL INFORMATION:
; APPLICANT: Farnet, Chris
; APPLICANT: Zazopoulos, Emmanuel
; APPLICANT: Stafira, Alfredo
; TITLE OF INVENTION: Genes and Proteins for Biosynthesis of Ramoplanin
; FILE REFERENCE: 3019-PCT
; CURRENT APPLICATION NUMBER: US/09/976.059
; CURRENT FILING DATE: 2001-10-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Actinoplanes sp.
; FEATURE:
; NAME/KEY: misc feature

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GenCore version 5.1.4 p5 4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 18.6581 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-4
Perfect score: 2791
Sequence: 1 YERLRVTHQTGEYFRF.....RRIIYPATGKNQWMLPVP 531

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW PUB.pap.*
- 2: /cgn2_6/ptodata/2/pubpaa/FCI NEW PUB.pap.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW PUB.pap.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pap.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW PUB.pap.*
- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pap.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pap.*
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- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pap.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW PUB.pap.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1406	50.4	263	10	US-09-347-064-10
2	1406	50.4	267	10	US-09-347-064-4
3	1285	46.0	252	10	US-09-347-064-8
4	1281	45.9	252	10	US-09-347-064-2
5	326	11.7	247	9	US-09-792-793A-39
6	308	11.0	332	10	US-09-765-527-251
7	304.5	10.9	251	10	US-09-765-527-247
8	301.5	10.8	293	10	US-09-765-527-259
9	301.5	10.8	293	10	US-09-765-527-253
10	294.5	10.6	247	9	US-09-792-793A-34
11	249.5	8.9	250	9	US-09-792-793A-36
12	204	7.3	263	10	US-09-978-274A-4
13	204	7.3	314	10	US-09-978-274A-2
14	184	6.6	145	12	US-10-074-527-5
15	180.5	6.5	275	9	US-09-792-793A-35
16	173.5	6.2	254	9	US-09-792-793A-85
17	173.5	6.2	327	9	US-09-792-793A-79
	173.5	6.2	330	9	US-09-792-793A-82
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20	173.5	6.2	332	9	US-09-792-793A-76
21	150	5.7	491	10	US-09-770-621-8
22	138	4.9	480	10	US-09-770-621-5
23	138	4.9	492	10	US-09-770-621-4
24	138	4.9	492	10	US-09-770-621-4
25	136.5	4.9	135	9	US-09-973-457-5
26	136.5	4.9	135	12	US-10-074-527-6
27	132	4.7	110	10	US-09-978-274A-8
28	132	4.7	323	9	US-09-792-793A-80
29	132	4.7	325	9	US-09-792-793A-81
30	130	4.7	708	10	US-09-334-477-33
31	129	4.6	690	10	US-09-334-477-47
32	128	4.6	326	10	US-09-334-477-37
33	127.5	4.6	318	10	US-09-334-477-49
34	127.5	4.6	326	10	US-09-334-477-25
35	127.5	4.6	694	10	US-09-334-477-49
36	127	4.6	315	10	US-09-334-477-2
37	127	4.6	319	9	US-09-792-793A-38
38	127	4.6	319	9	US-09-870-759-28
39	127	4.6	323	10	US-09-334-477-21
40	127	4.6	325	9	US-09-792-793A-74
41	127	4.6	327	9	US-09-792-793A-75
42	126	4.5	247	9	US-09-792-793A-83
43	126	4.5	249	9	US-09-792-793A-84
44	126	4.5	320	9	US-09-792-793A-77
45	126	4.5	322	9	US-09-792-793A-78

ALIGNMENTS

RESULT 1

US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1

GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen

; APPLICANT: Schmidt, Arno

; APPLICANT: Zinke, Holger

; TITLE OF INVENTION: Recombinant Fusion Proteins Based on.

; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

; TITLE OF INVENTION: album

; FILE REFERENCE: 09282-5

; CURRENT APPLICATION NUMBER: US/09/347,064A

; CURRENT FILING DATE: 1999-07-02

; EARLIER APPLICATION NUMBER: PCT/EP98/00009

; EARLIER FILING DATE: 1998-01-02

; EARLIER APPLICATION NUMBER: EP 97 10 0012.0

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: Patent in Ver. 2.1

; SEQ ID NO 10

; LENGTH: 263

; TYPE: PRT

; ORGANISM: Viscum album

US-09-347-064-10

Query Match

Best Local Similarity 50.4%; Score 1406; DB 10; Length 263;

Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

269

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1 DDVTCASAPTVRIYGRNMCVDDVDDDFHDGNGIQIQLWFSKSNNDPNQLWTIKRDCGTIRS 60

329

NGSCLTITGYTAGVVMIFDCNTAVREATIWIWNGHTIINPRSNLVLAASSGIGKTTLT 388

61

NGSCLTITGYTAGVVMIFDCNTAVREATIWIWNGHTIINPRSNLVLAASSGIGKTTLT 120

389

VOTLDYTLGQGWLAGNDTAPREVTIYGRDLCMESNGGVSVMVETCVSSQONRWALYGDG 448

121

VOTLDYTLGQGWLAGNDTAPREVTIYGRDLCMESNGGVSVMVETCVSSQONRWALYGDG 180

us-09-601-667c-4.rapb

Sat Mar 22 10:41:29 2003

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;
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-8

Query Match      46.0%; Score 1285; DB 10; Length 252;
Best Local Similarity 99.6%; Pred. No. 3.7e-108;
Matches 251; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YERLRVTHQTGTGEEYFRFTLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN 60
Db 1 YERLRVTHQTGTGEEYFRFTLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN 60
Qy 61 QGGDSITAAIDVTNLVYVAYQAGDSYFLRDAPRGAEHTLFTGTRSSLPENGSPDLE 120
Db 61 QGGDSITAAIDVTNLVYVAYQAGDSYFLRDAPRGAEHTLFTGTRSSLPENGSPDLE 120
Qy 121 YAGHRDQIPGIDQIIOQSVTALRPPGGSTRTOARSILILIQMISEAARFNPLWRARQYI 180
Db 121 YAGHRDQIPGIDQIIOQSVTALRPPGGSTRTOARSILILIQMISEAARFNPLWRARQYI 180
Qy 181 NSGASFLPDVYMLETSSWGOQSTQVQHSSTGCVFNNPRLAIPPGNFVTLTNVRDVIASL 240
Db 181 NSGASFLPDVYMLETSSWGOQSTQVQHSSTGCVFNNPRLAIPPGNFVTLTNVRDVIASL 240
Qy 241 AIMLFVCGERPS 252
Db 241 AIMLFVCGERPS 252

RESULT 4
US-09-347-064-2
; Sequence 2, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-4

Query Match      50.4%; Score 1406; DB 10; Length 267;
Best Local Similarity 98.9%; Pred. No. 4.9e-119;
Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 269 DDVTCASAEPTVRIVGRNGMCDVDRDDFDHGNQIQLWPSKSNNDPNQIWKRGDTIRS 328
Db 1 DDVTCASAEPTVRIVGRNGMCDVDRDDFDHGNQIQLWPSKSNNDPNQIWKRGDTIRS 328
Qy 329 NSGCLTGYTAGYVVMIFDCNTAVREATIWIQNGNTIIPRSLNVLAAASGIGKTTLT 388
Db 61 NSGCLTGYTAGYVVMIFDCNTAVREATIWIQNGNTIIPRSLNVLAAASGIGKTTLT 120
Qy 389 VOTLDYTLGOGWLAGNDTAPREVITYGFRDLQWESNGGSSVWVETCVSSQNRWALYGDG 448
Db 121 VOTLDYTLGOGWLAGNDTAPREVITYGFRDLQWESNGGSSVWVETCVSSQNRWALYGDG 180
Qy 449 SIRPKNQOQCLTCGRDSTVSTVINIVSCAGSSGQRBVFTNEGAILNLKNGLAMVDAQAN 508
Db 181 SIRPKNQOQCLTCGRDSTVSTVINIVSCAGSSGQRBVFTNEGAILNLKNGLAMVDAQAN 240
Qy 509 PKLRRRIIYPATGKPNQMLPVP 531
Db 241 PKLRRRIIYPATGKPNQMLPVP 263

RESULT 3
US-09-347-064-8
; Sequence 8, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A

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;
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-8

Query Match      46.0%; Score 1285; DB 10; Length 252;
Best Local Similarity 99.6%; Pred. No. 3.7e-108;
Matches 251; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YERLRVTHQTGTGEEYFRFTLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN 60
Db 1 YERLRVTHQTGTGEEYFRFTLLRDYVSSGSFSEIPLLRQSTIPVSDAQRFLVLTN 60
Qy 61 QGGDSITAAIDVTNLVYVAYQAGDSYFLRDAPRGAEHTLFTGTRSSLPENGSPDLE 120
Db 61 QGGDSITAAIDVTNLVYVAYQAGDSYFLRDAPRGAEHTLFTGTRSSLPENGSPDLE 120
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Db 121 YAGHRDQIPGIDQIIOQSVTALRPPGGSTRTOARSILILIQMISEAARFNPLWRARQYI 180
Qy 181 NSGASFLPDVYMLETSSWGOQSTQVQHSSTGCVFNNPRLAIPPGNFVTLTNVRDVIASL 240
Db 181 NSGASFLPDVYMLETSSWGOQSTQVQHSSTGCVFNNPRLAIPPGNFVTLTNVRDVIASL 240
Qy 241 AIMLFVCGERPS 252
Db 241 AIMLFVCGERPS 252

RESULT 4
US-09-347-064-2
; Sequence 2, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-2

Query Match      45.9%; Score 1281; DB 10; Length 252;
Best Local Similarity 99.6%; Pred. No. 8.6e-108;
Matches 250; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 QGGDSITAAIDVTNLVYVAYQAGDSYFLRDAPRGAEHTLFTGTRSSLPENGSPDLE 120

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Db 62 QGSDSITAIIDVNTLVVAYQAGDSYFLRDAPRGAETHLFTGTTSSLPFNGSYDLE 121
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Db 122 YAGHRDQIPGLDQIQSVTALRFPQGSTRTQARSTLIILQIMSEARFNPLWRARQYI 181
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Db 182 NSGASFLPDVYMLETSGWQSTQVQHSSTGDFVFNPIRLAIPPGNFTLTNRVDVIAL 241
QY 241 AIMLFVCGERP 251
Db 242 AIMLFVCGERP 252

RESULT 5

US-09-792-793A-39
; Sequence 39, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 39
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Trichosantheus kirilowii
US-09-792-793A-39

Query Match 11.7%; Score 326; DB 9; Length 247;
Best Local Similarity 36.0%; Pred. No. 1.2e-21;
Matches 86; Conservative 54; Mismatches 85; Indels 14; Gaps 9;
QY 13 TGEYFRFETTLRDVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGSDSITAIIDV 72
Db 10 TSSSYGVFISNLRKALPNERKLYDIPLR--SSLPGS--QRYALIHLTNYADETISVAIDV 66
QY 73 TNLVYVAYQAGDSYFLRDA-PRGAETHLFTGTTTRS-SLPFNGSYDLEVRAGH-RDOIP 129
Db 67 TNYIMGVYRAGDTSYFFNEASATEAAKYVFDAMRKVTLPSYGNVYERLQTAAGKIRENIP 126
QY 130 LGIDQIQSVTALRFPQGSTRTQARSTLIILQIMSEARFNPLWRARQYINGASFLPD 189
Db 127 LGLPALDSAITTLFY--YNANSAASALMVLIOSTSEAAARYKFEQIQIGRVDK--TFLPS 182
QY 190 VYMLETSGWQSTQVQ--HSTDGVFNPIRLAIPPGNFTLTNRVD--VIASLAIML 244
Db 183 LAIISLNSWSALSQIQIASTNNGQSPVVLNAQNRVTIINVDAGVVTSNIALLL 241

RESULT 6

US-09-765-527-251
; Sequence 251, Application US/09765527
; Patent No. US20020006638A1
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; TITLE OF INVENTION: Methods for Recombinant Microbial Production of
; Fusion Proteins and BPI-Derived Peptides
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/765,527
; FILING DATE: 18-Jan-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/621,803
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25,447
; REFERENCE/DOCKET NUMBER: 27129/33199
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 251:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 332 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 251:
US-09-765-527-251

Query Match 11.0%; Score 308; DB 10; Length 332;
Best Local Similarity 31.4%; Pred. No. 8e-20;
Matches 90; Conservative 51; Mismatches 132; Indels 14; Gaps 7;
QY 8 VTHQITGEYFRFETTLRDY--VSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGSD 64
Db 27 VSFSTKGATYIITYVNFNLNEIRKLKPEGNSHGIPLLRKC--DDPKCFVLVLSNDNGQ 84
QY 65 SITAAIDVTNLVYVAYQAGDSYFLRDAPRGAETHLFTGTTSSLPFNGSYDLEVRAGH 124
Db 85 LAEIAIDVTNVGVQVNRYSYFFKADPAAAYEGLFKNTIKTRLHFGTGYPSLEGEKAY 144
QY 125 RDQIPGLDQI--TQSVTALRFPQGSTRTQARSTLIILQIMSEARFNPLWRARQYIN 181
Db 145 RETTDLGIEPLRIGIKLDENADINVKYTEIASSLLVVIQVSEARFTFIENQIRN--N 202
QY 182 SGASFLPDVYMLETSGWQSTQVQHS-TDGVFNPIRLAIPPGNFTLTNRVDVIAL 240
Db 203 FQQRIRPANNTISLENKWKLSFQIRTSYGANGMFSEAELEFRANGKYYVTAVDQVKPKI 262
QY 241 AIMLFVCGERPSSSDVRYWPLVIRPVIADDV--TCSASEPTVIRVGR 285
Db 263 ALLKFEV-DKDPKSAACHHSHASRVARMASDEFPSMCAMALDPIKISGK 308

RESULT 7

US-09-765-527-247
; Sequence 247, Application US/09765527
; Patent No. US20020006638A1
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; TITLE OF INVENTION: Methods for Recombinant Microbial Production of
; Fusion Proteins and BPI-Derived Peptides
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

us-09-601-667c-4.rapb

Sat Mar 22 10:41:29 2003

SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/765,527
 FILING DATE: 18-Jan-2001
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/621,803
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Borun, Michael F.
 REGISTRATION NUMBER: 25,447
 REFERENCE/DOCKET NUMBER: 27129/33199
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856
 INFORMATION FOR SEQ ID NO: 247:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 251 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 247:
 US-09-765-527-247

Query Match 10.9%; Score 304.5; DB 10; Length 251;
 Best Local Similarity 34.6%; Pred. No. 1.1e-19;
 Matches 85; Conservative 38; Mismatches 112; Indels 11; Gaps 5;
 QY 8 VTHQTGEYFRFTLLRDY---VSSGFSFNEIPILLRQSTIPVSDAQRFLVELTNOGGD 64
 Db 5 VSFSTKGATYITYVNFLELRLVKLPKGNHSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 62
 QY 65 SITAADVTNLVYVAYQAGDSYFLRDAPRGAETHLFTGTRSSLPNGSYDPLERYAGH 124
 Db 63 LAEIAIDVTSVYVGVQVRNRSYFFKDPADAAYEGFLFKNTIKTRHLFGGSPSLEGEKAY 122
 QY 125 RDQIPGLIDQL---IQSVTALRPPGGSTRTOARSILILQIMISEAARENPILWRARQYIN 181
 Db 123 RETTDLGIEPLRIGIKKLDENADINYPTEIASLLVVIQMVSEAAFTFIENQIRN--N 180
 QY 182 SGASFPLDVMYLETSWGQOSTQVQHS--TDGVFNPNIRLAIPPGNFVTLTNVRDVIASL 240
 Db 181 FQOIRPANNTISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTVADQVKPKI 240
 QY 241 AIMLFV 246
 Db 241 ALLKFV 246

RESULT 8
 US-09-765-527-259
 Sequence 259, Application US/09765527
 Patent No. US20020006638A1
 GENERAL INFORMATION:
 APPLICANT: Better, Marc D.
 TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
 NUMBER OF SEQUENCES: 265
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 STREET: 6300 Sears Tower, 233 South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: United States of America
 ZIP: 60606-6402
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 *CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/765,527
 FILING DATE: 18-Jan-2001

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/621,803
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Borun, Michael F.
 REGISTRATION NUMBER: 25,447
 REFERENCE/DOCKET NUMBER: 27129/33199
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856
 INFORMATION FOR SEQ ID NO: 259:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 293 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 259:
 US-09-765-527-259

Query Match 10.8%; Score 301.5; DB 10; Length 293;
 Best Local Similarity 34.1%; Pred. No. 2.6e-19;
 Matches 84; Conservative 39; Mismatches 112; Indels 11; Gaps 5;
 QY 8 VTHQTGEYFRFTLLRDY---VSSGFSFNEIPILLRQSTIPVSDAQRFLVELTNOGGD 64
 Db 27 VSFSTKGATYITYVNFLELRLVKLPKGNHSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84
 QY 65 SITAADVTNLVYVAYQAGDSYFLRDAPRGAETHLFTGTRSSLPNGSYDPLERYAGH 124
 Db 85 LAEIAIDVTSVYVGVQVRNRSYFFKDPADAAYEGFLFKNTIKTRHLFGGSPSLEGEKAY 144
 QY 125 RDQIPGLIDQL---IQSVTALRPPGGSTRTOARSILILQIMISEAARENPILWRARQYIN 181
 Db 145 RETTDLGIEPLRIGIKKLDENADINYPTEIASLLVVIQMVSEAAFTFIENQIRN--N 202
 QY 182 SGASFPLDVMYLETSWGQOSTQVQHS--TDGVFNPNIRLAIPPGNFVTLTNVRDVIASL 240
 Db 203 FQOIRPANNTISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTVADQVKPKI 262
 QY 241 AIMLFV 246
 Db 263 ALLKFV 268

RESULT 9
 US-09-765-527-253
 Sequence 253, Application US/09765527
 Patent No. US20020006638A1
 GENERAL INFORMATION:
 APPLICANT: Better, Marc D.
 TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
 NUMBER OF SEQUENCES: 265
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 STREET: 6300 Sears Tower, 233 South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: United States of America
 ZIP: 60606-6402
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/765,527
 FILING DATE: 18-Jan-2001
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/621,803
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael F.
REGISTRATION NUMBER: 25,447
REFERENCE/DOCKET NUMBER: 27129/33199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 253:
SEQUENCE CHARACTERISTICS:
LENGTH: 309 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 253:
US-09-765-527-253

Query Match 10.8%; Score 301.5; DB 10; Length 309;
Best Local Similarity 34.1%; Pred. No. 2.8e-19;
Matches 84; Conservative 39; Mismatches 112; Indels 11; Gaps 5;
QY 8 VTHQTTGGEYFRFTLLRDY---VSSGFSNEIPIILRQSTIPVSDAQRVFLVLTNQGSD 64
DB 27 VSFSTKGATYITVFNLEIRLVKLPKESNGHIGPLLRKCC--DDPGKCFVLVALSNDNGQ 84
QY 65 SITAIDVNLVYVAYQAGDSYFLRDAPRGAETHLFTGTTRSSLFPNGSYPDLERYAGH 124
DB 85 LAETAIIDVTSVVVGVQVRNRYFFKADPAAYEGLFKNTIKRLHFGGTYPSLEGEKAY 144
QY 125 RDQIPLGIDQL---IQSVTALRFPGGSTRTOARSILILIQMISEAARFNPILWRARQYIN 181
DB 145 RETTDLGIEPLRIGIKKIDENAIIDNKYKPEIASLLVVIQMVSEARFTFIENQIEN--N 202
QY 182 SGASFLPDVYMLELETSWGQOSTQVQHS--TDCGVNPNPRLAIPPGNFVLTNVRDVIASL 240
DB 203 FQQRIRPANVTISLENKWKLSFQIRTSANGMFSEAVELELANGKKYVYTAVDQVKPKI 262
QY 241 AIMLFV 246
DB 263 ALLKFV 268

RESULT 10
US-09-792-793A-34
; Sequence 34, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 34
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Bryonia dioica
US-09-792-793A-34

Query Match 10.6%; Score 294.5; DB 9; Length 247;
Best Local Similarity 33.1%; Pred. No. 8.6e-19;
Matches 81; Conservative 55; Mismatches 94; Indels 15; Gaps 0;
QY 7 RVTHQTTGGEYFRFTLLRDYVSSGFSNEIPIILRQSTIPVSDAQRVFLVLTNQGDSI 66
DB 5 RLSGATT-TSYGVFIKNLRALPYERKYNIPILRSS---ISGGRYTLHLTNVADETI 60
QY 67 TTAIDVNLVYVAYQAGDSYFLRD--APRGAETHLFTGTTRSSLFPNGSYPDLERYAGH 124
DB 61 SVAVDVNTVYIMGYLAGDSYFFNEASATEAKVFVKDAKKKVTLPYSGMYRLQTAAGK 120

QY 125 -RDQIPLGIDQLIQSVTALRFPGGSTRTOARSILILIQMISEAARFNPILWRARQYINSG 183
DB 121 IRENIPGLPALDSAITLLYYVTAS--SAASALLVLIQSTAESARYKFIEQIGKRVDK- 177
QY 184 ASFLPDVYMLELETSWGQOSTQVQ--HSTDGVNPNPRLAIPPGNFVLTN--VRDVIA 239
DB 178 -TFLPSLATISLENNWSALSQIOIASTNNGQFESPVLIDGNQVRVSIITNASARVVTN 236
QY 240 LAIML 244
DB 237 IALLL 241

RESULT 11
US-09-792-793A-36
; Sequence 36, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 36
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Momordica charantia
US-09-792-793A-36

Query Match 8.9%; Score 249.5; DB 9; Length 250;
Best Local Similarity 30.5%; Pred. No. 1e-14;
Matches 79; Conservative 38; Mismatches 97; Indels 45; Gaps 9;
QY 6 LRVTHTTGEYFRFTLLRDYVSSGFSNEIPLRQSTIPVSDAQRVFLVLTNQGDS 65
DB 10 LDLNPTT---YLSFTINRTKVADKTEQCTI-----QKSKITQRYSIDLIIVSTQK 61
QY 66 ITAAIDVNLVYVAY---QAGDSYFLRDAPRGAETHLFT---TGTRSSLFPNGSYPD 118
DB 62 ITLAIDMADLYLVGYSDIANNNKGRFFKDVTEAVANNFFPGATGTNRKILFTGSGYDL 121
QY 119 ERYAGHRDQIPLGIDQLIQSVTALRFPGGSTRTOARSILILIQMISEAARFNPILWRARQ 178
DB 122 EXNGGLRKNPNLIGIFLENSIVNIYKAGDVKKQAKFFLLAIQMVSEARF-----K 173
QY 179 YNSGASFLP-----DVYMLELETSWGQOSTQVQHS--TDCGVNPNPRLAIPPGNFVLTNVRDVIASL 240
DB 174 YISDK---IPSEKYEVTVDYMTALENNWAKLSTAVYNSKPSPTTATKCOLATSPV--T 228
QY 222 IPPGNFVLTNVRDVIASL 240
DB 229 ISPWIFKTVVEIKLVNGLL 247

RESULT 12
US-09-978-274A-4
; Sequence 4, Application US/09978274A
; Patent No. US20020116737A1
; GENERAL INFORMATION:
; APPLICANT: Thomas, Christopher
; APPLICANT: McPherson, Michael
; APPLICANT: Atkinson, Howard
; APPLICANT: Neelam, Anil
; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
; FILE REFERENCE: 9341-028
; CURRENT APPLICATION NUMBER: US/09/978,274A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 0025225.4
; PRIOR FILING DATE: 2000-10-14

Db 197 MVSEARFKYIENQVK--TNFNRAFYDPKVINLEEKWKISETAHNAKNGALPKPLELV 254
 QY 222 IPPGNFVTLTNVRDVIAASLAIMLFCVC 248
 Db 255 DAKGTWIVLRVDEINRDVALLKYVG 281

RESULT 14
 US-10-074-527-5
 ; Sequence 5, Application US/10074527
 ; Patent No. US20020142426A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Meyers, Rachel E.
 ; APPLICANT: Olandt, Peter J.
 ; APPLICANT: Galvin, Katherine E.
 ; APPLICANT: Millennium Pharmaceuticals Inc.
 ; TITLE OF INVENTION: 3945, A Human Glycosyltransferase and
 ; TITLE OF INVENTION: Uses Therefor
 ; FILE REFERENCE: MPI2001-018P1RCP1(M)
 ; CURRENT APPLICATION NUMBER: US/10/074,527
 ; CURRENT FILING DATE: 2002-02-12
 ; PRIOR APPLICATION NUMBER: 60/269202
 ; PRIOR FILING DATE: 2001-02-15
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 145
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: consensus
 US-10-074-527-5

Query Match 6.6%; Score 184; DB 12; Length 145;
 Best Local Similarity 29.4%; Pred. No. 3.7e-09;
 Matches 50; Conservative 27; Mismatches 53; Indels 40; Gaps 7;
 QY 279 TVRIVGRNKGVDVDRDDHFGNQIOLWPSKSNNDPNQLWTI---KRDGTIRS---NGSC 332
 Db 7 TILVNGSGRCLDVNSSESSESDGNQVQLWNCNCHSPGKQKWSLYYDESDGEIRSVVNDKC 66
 QY 333 LITYGYTAGVYVIMPCDNTAVREATIWIWNGGTIINPRSNLVLAASGKGTTLTVOTL 392
 Db 67 LTVANSPPGSEVKLYQCDTSATSNQKWLNDGLGN--KILLNLVNTGL-----VL 116
 QY 393 DYTLGGQWLAGNDTAPREVTIYGRDLCMESNGSGSVWVEICVSSQONRW 442
 Db 117 D-----VKGSDT-----QNGTKLILYTC-SGRNQOW 142

RESULT 15
 US-09-792-793A-35
 ; Sequence 35, Application US/09792793A
 ; Patent No. US20020168370A1
 ; GENERAL INFORMATION:
 ; APPLICANT: McDonald, John R.
 ; APPLICANT: Coggin, Philip
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
 ; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
 ; FILE REFERENCE: 25020-601D
 ; CURRENT APPLICATION NUMBER: US/09/792,793A
 ; CURRENT FILING DATE: 2001-02-22
 ; NUMBER OF SEQ ID NOS: 93
 ; SOFTWARE: PatentIn ver. 2.0
 ; SEQ ID NO 35
 ; LENGTH: 275
 ; TYPE: PRT
 ; ORGANISM: Saponaria officinalis
 US-09-792-793A-35

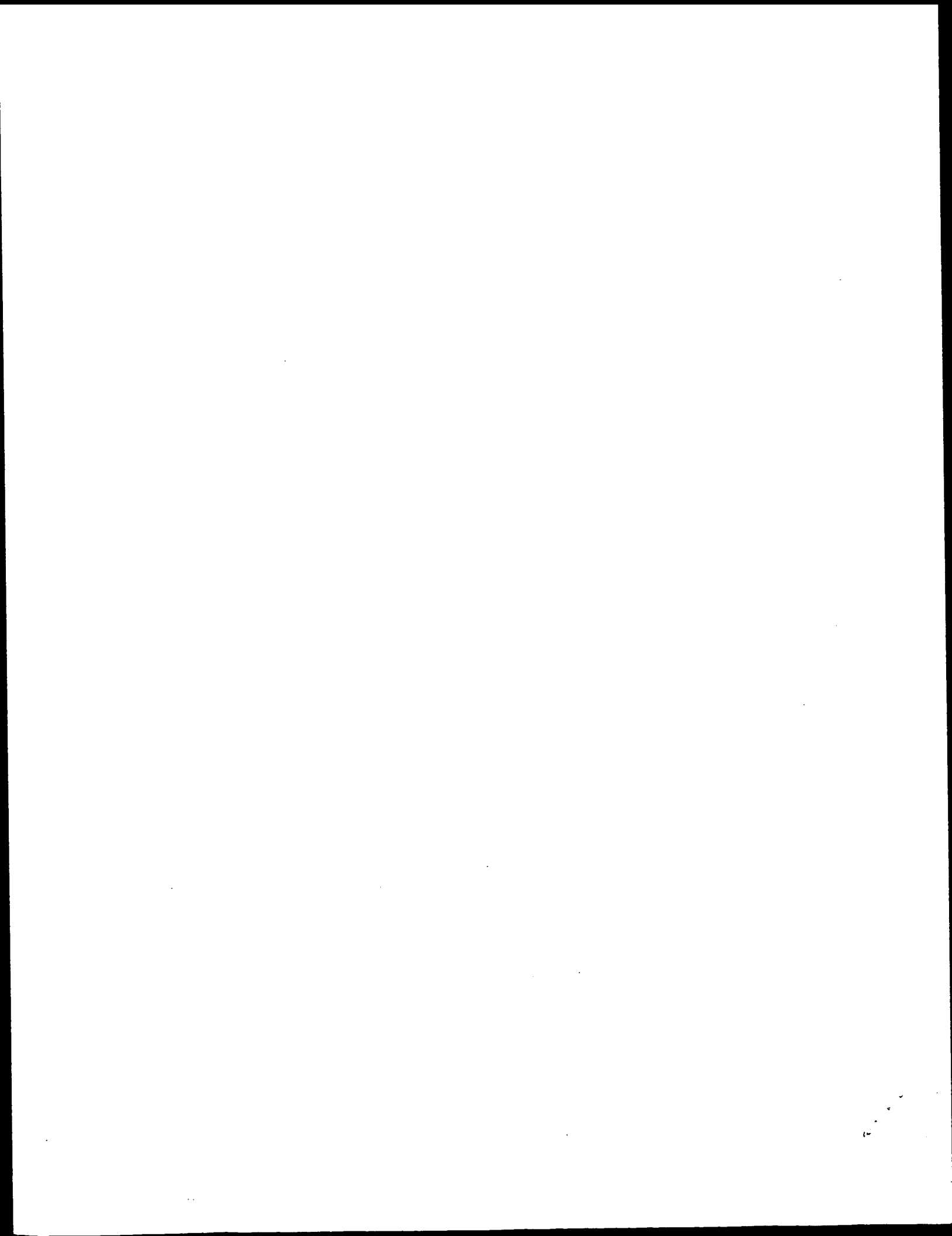
Query Match 6.5%; Score 180.5; DB 9; Length 275;
 Best Local Similarity 26.2%; Pred. No. 1.9e-08;

; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 263
 ; TYPE: PRT
 ; ORGANISM: Phytolacca americana
 US-09-978-274A-4
 Query Match 7.3%; Score 204; DB 10; Length 263;
 Best Local Similarity 26.2%; Pred. No. 1.4e-10;
 Matches 70; Conservative 46; Mismatches 99; Indels 52; Gaps 10;
 QY 13 TGEYFRFTLLRDYVSSGSFNEIFLLRQSTIPV-----SDAORFVLVELTNOGGDSITA 68
 Db 13 TINKYATFMESLRNQAQD-----PKLKCYGIPMLPDTNSTPKYLLVKLGANLKTITL 65
 QY 69 AIDVTNLYVAYVAGQOSYFLRDPAG--AETHLF--TGTTTS----- 107
 Db 66 MLRRNNLYVMGYG-----DFFNGNKKRYHIFNDITSTERTDVENTILCSSSSSRVAM 116
 QY 108 SLPFNGSYDPLERYA--GHRDQIPLGDIQIQTAL-----RPPGSGTRTOARSILILIQ 161
 Db 117 SINYSLYPTMEKKAENVSRNQVLGQILSSDIGKISGVDSFP---VKTEAFFLLVAIQ 173
 QY 162 MISEAARFNILWRARQYINGASFLPDVYVMELETSGQOSTQVQHSSTGCVFNNPIRLA 221
 Db 174 MVSEARFKYIENQVK--TNFNRAFYDPKVINLEEKWKISETAHNAKNGALPKPLELV 231
 QY 222 IPPGNFVTLTNVRDVIAASLAIMLFCVC 248
 Db 232 DAKGTWIVLRVDEINRDVALLKYVG 258

RESULT 13
 US-09-978-274A-2
 ; Sequence 2, Application US/09978274A
 ; Patent No. US20020116737A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Thomas, Christopher
 ; APPLICANT: McPherson, Michael
 ; APPLICANT: Atkinson, Howard
 ; APPLICANT: Neelam, Anil
 ; TITLE OF INVENTION: PLANT CELL DEATH SYSTEM
 ; FILE REFERENCE: 9341-028
 ; CURRENT APPLICATION NUMBER: US/09/978,274A
 ; CURRENT FILING DATE: 2001-10-15
 ; PRIOR APPLICATION NUMBER: 0025225.4
 ; PRIOR FILING DATE: 2000-10-14
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 2
 ; LENGTH: 314
 ; TYPE: PRT
 ; ORGANISM: Phytolacca americana
 US-09-978-274A-2

Query Match 7.3%; Score 204; DB 10; Length 314;
 Best Local Similarity 26.2%; Pred. No. 1.8e-10;
 Matches 70; Conservative 46; Mismatches 99; Indels 52; Gaps 10;
 QY 13 TGEYFRFTLLRDYVSSGSFNEIFLLRQSTIPV-----SDAORFVLVELTNOGGDSITA 68
 Db 36 TINKYATFMESLRNQAQD-----PKLKCYGIPMLPDTNSTPKYLLVKLGANLKTITL 88
 QY 69 AIDVTNLYVAYVAGQOSYFLRDPAG--AETHLF--TGTTTS----- 107
 Db 89 MLRRNNLYVMGYG-----DFFNGNKKRYHIFNDITSTERTDVENTILCSSSSSRVAM 139
 QY 108 SLPFNGSYDPLERYA--GHRDQIPLGDIQIQTAL-----RPPGSGTRTOARSILILIQ 161
 Db 140 SINYSLYPTMEKKAENVSRNQVLGQILSSDIGKISGVDSFP---VKTEAFFLLVAIQ 196
 QY 162 MISEAARFNILWRARQYINGASFLPDVYVMELETSGQOSTQVQHSSTGCVFNNPIRLA 221

Search completed: March 22, 2003, 10:37:17
Job time : 21.6581 secs



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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 16.3889 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-4
Perfect score: 2791
Sequence: 1 YERLRLRVTHQTGEYFRF.....RRIIYPATGPNQMWLPVP 531

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents AA.*
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2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pap.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2770	99.2	564	US-08-776-059-35	Sequence 35, Appl
2	1406	50.4	263	US-08-776-059-43	Sequence 43, Appl
3	1406	50.4	264	US-08-776-059-33	Sequence 33, Appl
4	1285	46.0	253	US-08-776-059-31	Sequence 31, Appl
5	1197	42.9	235	US-08-776-059-39	Sequence 39, Appl
6	1191.5	42.7	540	US-08-378-761A-77	Sequence 77, Appl
7	1191.5	42.7	540	US-08-485-286-77	Sequence 77, Appl
8	466.5	16.7	250	US-08-378-761A-71	Sequence 71, Appl
9	466.5	16.7	250	US-08-485-286-71	Sequence 71, Appl
10	418	15.0	534	US-08-356-786-10	Sequence 10, Appl
11	387	13.9	267	US-07-901-707-1	Sequence 1, Appl
12	387	13.9	267	US-07-988-430-1	Sequence 1, Appl
13	387	13.9	267	US-08-218-303-16	Sequence 16, Appl
14	387	13.9	267	US-08-425-336-1	Sequence 1, Appl
15	387	13.9	267	US-08-488-113B-1	Sequence 1, Appl
16	387	13.9	267	US-08-477-484B-1	Sequence 1, Appl
17	387	13.9	267	US-08-646-360-1	Sequence 1, Appl
18	387	13.9	267	US-08-338-793D-61	Sequence 61, Appl
19	387	13.9	267	US-08-839-765-1	Sequence 1, Appl
20	387	13.9	267	US-09-136-389-1	Sequence 1, Appl
21	387	13.9	267	US-09-610-838-1	Sequence 1, Appl
22	387	13.9	267	PCT-US92-09487-1	Sequence 1, Appl
23	387	13.9	268	US-08-356-786-8	Sequence 8, Appl
24	383	13.7	290	US-08-378-761A-27	Sequence 27, Appl
25	383	13.7	290	US-08-485-286-27	Sequence 27, Appl
26	383	13.7	290	5248606-4	Patent No. 5248606
27	350	12.5	282	US-08-324-301-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match 99.2%; Score 2770; DB 4; Length 564;
Best Local Similarity 99.1%; Pred. No. 1.3e-259;
Matches 526; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy	1	YERLRLRVTHQTGEYFRFILLRRDYVSSGFSNFIPLLRQSTIPVSDAQRFLVLTN	60
Db	34	YERLRLRVTHQTGEYFRFILLRRDYVSSGFSNFIPLLRQSTIPVSDAQRFLVLTN	93
Qy	61	QGGDSITAAIDVNLVYVAYQAGDSYFLRDAPRGAEHLFTGTTTSSLPFNGSYDPLR	120
Db	94	QGGDSITAAIDVNLVYVAYQAGDSYFLRDAPRGAEHLFTGTTTSSLPFNGSYDPLR	153
Qy	121	YAGHRDQIPLGDIQIQLSVTALRFPFGGSTRTQARSILILIQMISEAARFNPIILWRAQYI	180
Db	154	YAGHRDQIPLGDIQIQLSVTALRFPFGGSTRTQARSILILIQMISEAARFNPIILWRAQYI	213
Qy	181	NSGASFDPVYMLETSWGQOSTQVQHSITDGVFNPIRLAIPPGNFVLTNRDVIASL	240
Db	214	NSGASFDPVYMLETSWGQOSTQVQHSITDGVFNPIRLAIPPGNFVLTNRDVIASL	273
Qy	241	AIMLFCVGERSSSDVRYWPLVIRPVIADVTCSASEPTVIRVGRNGMCDVDRDDDFHDG	300
Db	274	AIMLFCVGERSSSDVRYWPLVIRPVIADVTCSASEPTVIRVGRNGMCDVDRDDDFRDG	333
Qy	301	NOQLWPSKSNNDPNQLWTIKRDGTIRNSGSLTITYGTAGVYVMIFDCNTAVREATIQW	360

Db 334 NQIQWPSKNNDPNQLWTIKRDTGIRNSGSLTTTGYTAGVVMIFDCNTAVREATLWQ 393
Qy 361 IWNGTIIINPRNLVLAASGGIKGTTLTQTLDYTLGGWLAGNDTAPREVITYGFRDLC 420
Db 394 IWNGTIIINPRNLVLAASGGIKGTTLTQTLDYTLGGWLAGNDTAPREVITYGFRDLC 453
Qy 421 MESNGGVSVMVETCVSSQKNQWALYGDGSIIRPKQNDQCLTCGRDSVSTVINIVSCSAGS 480
Db 454 MESNGGVSVMVETCVSSQKNQWALYGDGSIIRPKQNDQCLTCGRDSVSTVINIVSCSAGS 513
Qy 481 SGQRWFTNEGAILNLKGLAMDVAQANPKLRRIIYPATGKPNQWMLPVP 531
Db 514 SGQRWFTNEGAILNLKGLAMDVAQANPKLRRIIYPATGKPNQWMLPVP 564

RESULT 2
US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 50.4%; Score 1406; DB 4; Length 263;
Best Local Similarity 98.9%; Pred. No. 4.9e-128;
Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 269 DDVTCASEPTVRIVGRNGMCDVDRDDDFHDCNQIQLWPSKNNDPNQLWTIKRDTGIRS 328
Db 1 DDVTCASEPTVRIVGRNGMCDVDRDDDFHDCNQIQLWPSKNNDPNQLWTIKRDTGIRS 60
Qy 329 NGSLTITYGTAGVVMIFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 388
Db 61 NGSLTITYGTAGVVMIFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 120
Qy 389 VQTLDTLGGWLAGNDTAPREVITYGFRDLCMESNGGVSVMVETCVSSQKNQWALYGDG 448
Db 121 VQTLDTLGGWLAGNDTAPREVITYGFRDLCMESNGGVSVMVETCVSSQKNQWALYGDG 180
Qy 449 SIRPKONDQCLTCGRDSVSTVINIVSCSAGSGQRWFTNEGAILNLKGLAMDVAQAN 508
Db 181 SIRPKONDQCLTCGRDSVSTVINIVSCSAGSGQRWFTNEGAILNLKGLAMDVAQAN 240
Qy 509 PKLRRIIYPATGKPNQWMLPVP 531
Db 241 PKLRRIIYPATGKPNQWMLPVP 263

RESULT 3
US-08-776-059-33
; Sequence 33, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen

; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-33

Query Match 50.4%; Score 1406; DB 4; Length 264;
Best Local Similarity 98.9%; Pred. No. 4.9e-128;
Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 269 DDVTCASEPTVRIVGRNGMCDVDRDDDFHDCNQIQLWPSKNNDPNQLWTIKRDTGIRS 328
Db 2 DDVTCASEPTVRIVGRNGMCDVDRDDDFHDCNQIQLWPSKNNDPNQLWTIKRDTGIRS 61
Qy 329 NGSLTITYGTAGVVMIFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 388
Db 62 NGSLTITYGTAGVVMIFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGIGKTTLT 121
Qy 389 VQTLDTLGGWLAGNDTAPREVITYGFRDLCMESNGGVSVMVETCVSSQKNQWALYGDG 448
Db 122 VQTLDTLGGWLAGNDTAPREVITYGFRDLCMESNGGVSVMVETCVSSQKNQWALYGDG 181
Qy 449 SIRPKONDQCLTCGRDSVSTVINIVSCSAGSGQRWFTNEGAILNLKGLAMDVAQAN 508
Db 182 SIRPKONDQCLTCGRDSVSTVINIVSCSAGSGQRWFTNEGAILNLKGLAMDVAQAN 241
Qy 509 PKLRRIIYPATGKPNQWMLPVP 531
Db 242 PKLRRIIYPATGKPNQWMLPVP 264

RESULT 4
US-08-776-059-31
; Sequence 31, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-31

Query Match 46.0%; Score 1285; DB 4; Length 253;
Best Local Similarity 99.6%; Pred. No. 2.4e-116;
Matches 251; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 YERLRLRVTHQTGEEYFRFTLLRDYVSSGFSFNEIFLLRQSTIPVSDAQRFLVELTN 60


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Db 2 YERILRWTHQTGEYFRFTLLRDYVSSGSFSENEIPLRQSTIPVSDAQRFLVELTN 61
QY 61 QGSDSITAAIDVTNLYVAYAGDQSYFLRDAPRGAETHLFTGTTRSSLPFNGSYPDLER 120
Db 62 QGSDSITAAIDVTNLYVAYAGDQSYFLRDAPRGAETHLFTGTTRSSLPFNGSYPDLER 121
QY 121 YAGHRDQIPLGIDQLIQSVTALRFPFGSTRTQARSILILIQMISEAARFNPLWRARQYI 180
Db 122 YAGHRDQIPLGIDQLIQSVTALRFPFGSTRTQARSILILIQMISEAARFNPLWRARQYI 181
QY 181 NSGASFPLPDVYMLELTSWGQOSTOVQHSITDGVNPNPRLAIPPGNFVTLTNVRDVIA 240
Db 182 NSGASFPLPDVYMLELTSWGQOSTOVQHSITDGVNPNPRLAIPPGNFVTLTNVRDVIA 241
QY 241 AMLFVCGERPS 252
Db 242 AMLFVCGERPS 253

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RESULT 5

US-08-776-059-39

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; Sequence 39, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; EARLIER FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-39

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Query Match 42.9%; Score 1197; DB 4; Length 235;
Best Local Similarity 100.0%; Pred. No. 7.1e-108;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 18 FRFTILLRDYVSSGSFSENEIPLRQSTIPVSDAQRFLVELTNQGGDSITAAIDVTNLYV 77
Db 1 FRFTILLRDYVSSGSFSENEIPLRQSTIPVSDAQRFLVELTNQGGDSITAAIDVTNLYV 60

QY 78 VAYAGDQSYFLRDAPRGAETHLFTGTTRSSLPFNGSYPDLERVAGHRDQIPLGIDQLIQ 137
Db 61 VAYAGDQSYFLRDAPRGAETHLFTGTTRSSLPFNGSYPDLERVAGHRDQIPLGIDQLIQ 120

QY 138 SVTALRFPFGSTRTQARSILILIQMISEAARFNPLWRARQYINSASFPLPDVYMLELET 197
Db 121 SVTALRFPFGSTRTQARSILILIQMISEAARFNPLWRARQYINSASFPLPDVYMLELET 180

QY 198 SWGQOSTOVQHSITDGVNPNPRLAIPPGNFVTLTNVRDVIAASLAIMLFVCGERPS 252
Db 181 SWGQOSTOVQHSITDGVNPNPRLAIPPGNFVTLTNVRDVIAASLAIMLFVCGERPS 235

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RESULT 6

US-08-378-761A-77

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; Sequence 77, Application US/08378761A
; Patent No. 5635384
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D

```

```

; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,761A
; FILING DATE: 26-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 540 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-378-761A-77

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Query Match 42.7%; Score 1191.5; DB 1; Length 540;
Best Local Similarity 47.6%; Pred. No. 9.3e-107;
Matches 254; Conservative 84; Mismatches 177; Indels 19; Gaps 10;

QY 9 THQTGEYFRFTILLRDYVSSGS-FSNEIPLL-ROSTIPVSDAQRFLVELTNQGGDSI 66
Db 13 TADATVESYTNFIRAVRSHLTGADVRRHEIPVLPNVRGLPIS--QRFLVELSNHAELSV 70

QY 67 TAAIDVTNLYVAYAGDQSYFLR-DAPRGAEE--THLFTGTTRS-SLPFNGSYPDLERVA 122
Db 71 TLALDVTNAYVVGCRAGNSAYEFHFDNQDQDAEAITHLFTDQVNSFTFAFGNVDRLQOLG 130

QY 123 CHRDOIPLGIDQLIOSVTALRF---PGGSTRTQARSILILIQMISEAARFNPLWRARQY 179
Db 131 GLRENIELGTPLDEAISALYYSTCGTQIPTLARSFMVCIQMISEAAARQYIEGEMRTR 190

QY 180 INSGASFPLPDVYMLELETSWGQOSTOVQHSITDGVNPNPRLAIPPGNFVTLTNVRDVIA 239
Db 191 IRYNRSAPDESVITLNSWGLSTAIQESNQAGASPIQLQRRNGSKFNVDVSIPLIPI 250

QY 240 LAIMLFVCGERPSDDVRYWPLVIRPVIAD---DVTCSASEPTVIRVGNMGCMVDVDRDD 296
Db 251 IALMYRCAPPSSQ----FSLIIRPVVFNADV-CMDPEFIVIRVGNGLCVDVTGEE 305

QY 297 FHDGNIQLWFSKSNNDNQALWTIKRDGTRISNGSLCTTYGTAGYVVMIFDCNTAVREA 356
Db 306 FFDGNPIQLWFECKSNTDNQNLTKRDKSTIRSNKCLTISKSPRQOVVYINCSTATVGA 365

QY 357 TIWQWNGTIIINPRSNLVLAASSGIKGTTTLTVQITLDYTLGQWLAGNQTAPREVIYGF 416
Db 366 TRWQIWDNRTIINPRSGVLVAATSGNSGKLTVQNTIYAVSQGLPTNNTPQFVTTIVGL 425

QY 417 RDLCMESNGSVWVETCVSSQONQWALYDGSIRPKQNDQCLTCGRDSVSTVINIVSC 476
Db 426 YGMCLQANSKGVLEDCITSEKAEQWALYADGSIRPQNRDNCCLTTDANKGTIVVKILSC 485

QY 477 SAGSSGQRWVFTNEGAILNLKGLAMDVAQANPKLRIIIPATGKPNQWMLPV 530

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; MOLECULE TYPE: protein
US-07-901-707-1

Query Match      13.9%; Score 387; DB 1; Length 267;
Best Local Similarity 40.0%; Pred. No. 2.5e-29;
Matches 102; Conservative 45; Mismatches 96; Indels 12; Gaps

QY  9  THOTTGEYFRFTLLRDVYSSGS--FSNETPLL--RSTIPVSDAQRVLVELTNQGGDSI 66
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  13 TAGATVQSYNFTFRVGRGRTTGADVHHELPVLPNVRGLPIN--QRFILVELSNHAE LSV 70

QY  67 TAAIDVTNLVVAVYQAGDSYFLR--DAPRGAE--THLFTCT--TRSSLPFNGSYDPLERYA 122
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  71 TLALDVTNAVVGYRAGNSAYFFHPDQEDAEATHLFTDQNRYYTFAFGNYDRLEQLA 130

QY  123 GH--RDQIPLGIDOLI QSVTALR---PGGSTRTOARSILILQIMISAARNPILWRARQ 178
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  131 GNLRNIELNGPLLEEAI SAIYYSTGTO LPTARSFII CIQIMISAARFOYEGEMRT 190

QY  179 YINGSGSFLPDVVMLEUETSGWGQOSTOVQHSHTDGVFNPNIRLAIPPGNFVTLNVRDVIA 238
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  191 RIRYNRSADPPSVITLNSWGR LSTAIQESNQAGAFASPIQLQRNGSKPSVDVDSILIP 250

QY  239 SLAIMLFVCCGERPSS 253
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db  251 IIALMVYRCAPPSSS 265
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

RESULT 12
US-07-988-430-1
; Sequence 1, Application US/07988430
; Patent No. 5416202
; GENERAL INFORMATION:
; APPLICANT: Bernhard, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Lane, Julie A.
; APPLICANT: Lei, Shau-Ping
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/07988,430
; FILING DATE: 19921209
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5416202and, Greta E.
; REGISTRATION NUMBER: 35302
; REFERENCE/DOCKET NUMBER: 31133
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-9740
; TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-988-430-1

Query Match 13.9%; Score 387; DB 1; Length 267;
Best Local Similarity 40.0%; Pred. No. 2.5e-29;
Matches 102; Conservative 45; Mismatches 96; Indels 12; Gaps
QY 9 THQTGEEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGGDSI 66
Db 13 TAGATVQSYNFRVAVRGLTTGADVHEIPVLPNRVGLPIN--QRFLVLSNHAELSV 70
QY 67 TAAIDVTNLYVAYQAGDSYFLR-DAPRGAE--THLFTGT-TRSSLPFNGSYDRLERYA 122
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDQDAEAITHLFTDVQNRVYTFAGGNYDRLEQLA 130
QY 123 GH-RDQIPGLIDQLIQSVTALRF---PGGSTRTOARSILILIQMISEAARNPILWRARQ 178
Db 131 GNLRNIELGNGLPEEAISALYYSTGGTQLPTLARSFIICIQMISEAARFYIEGEMRT 190
QY 179 YNSGASFLPDVYMLETSGWQOSTQVQHSSTDGVFNNPIRLAIPPGNFVLTNVRDVIA 238
Db 191 RIRYNRSAPDPSPVITLNSWGLSTAIQESNQAFASPIQLQRRNGKFSYVDVSLIP 250
QY 239 SLAIMLFVCGERPSS 253
Db 251 IIALMVRCAPPSS 265

RESULT 13
US-08-218-303-16
Sequence 16, Application US/08218303
Patent No. 5547867
GENERAL INFORMATION:
APPLICANT: Kara, Bhupendra V.
APPLICANT: Hockney, Robert C.
APPLICANT: Fitton, John E.
TITLE OF INVENTION: FERMENTATION PROCESS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cushman, Darby & Cushman
STREET: 1615 L Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036-5601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/218,303
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/841,533
FILING DATE: 26-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Kokulis, Paul N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: PNK/3893/94908/MJW
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-218-303-16

Query Match 13.9%; Score 387; DB 1; Length 267;
Best Local Similarity 40.0%; Pred. No. 2.5e-29;
Matches 102; Conservative 45; Mismatches 96; Indels 12; Gaps
QY 9 THQTGEEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGGDSI 66
Db 13 TAGATVQSYNFRVAVRGLTTGADVHEIPVLPNRVGLPIN--QRFLVLSNHAELSV 70
QY 67 TAAIDVTNLYVAYQAGDSYFLR-DAPRGAE--THLFTGT-TRSSLPFNGSYDRLERYA 122
Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDQDAEAITHLFTDVQNRVYTFAGGNYDRLEQLA 130
QY 123 GH-RDQIPGLIDQLIQSVTALRF---PGGSTRTOARSILILIQMISEAARNPILWRARQ 178
Db 131 GNLRNIELGNGLPEEAISALYYSTGGTQLPTLARSFIICIQMISEAARFYIEGEMRT 190
QY 179 YNSGASFLPDVYMLETSGWQOSTQVQHSSTDGVFNNPIRLAIPPGNFVLTNVRDVIA 238
Db 191 RIRYNRSAPDPSPVITLNSWGLSTAIQESNQAFASPIQLQRRNGKFSYVDVSLIP 250
QY 239 SLAIMLFVCGERPSS 253
Db 251 IIALMVRCAPPSS 265

RESULT 14
US-08-425-336-1
Sequence 1, Application US/08425336
Patent No. 5621083
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Studnika, Gary M.
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
NUMBER OF SEQUENCES: 140
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,336
FILING DATE: 18-APR-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/064,691
FILING DATE: 12-MAY-1993
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Thomas C.
REGISTRATION NUMBER: P-36,989
REFERENCE/DOCKET NUMBER: 31394
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856

GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.24122 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-6

Perfect score: 1420
Sequence: 1 DDVTCASAEPTVRIVGRNGM.....RRIIYPATGKNQMLPVP 263

Scoring table: BLOSUM62

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Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1406	99.0	263	10	US-09-347-064-10
2	1406	99.0	267	10	US-09-347-064-4
3	184	13.0	145	12	US-10-074-527-5
4	146.5	10.3	491	10	US-09-770-621-8
5	136.5	9.6	135	9	US-09-973-457-5
6	136.5	9.6	135	12	US-10-074-527-6
7	135	9.5	480	10	US-09-770-621-5
8	135	9.5	492	10	US-09-770-621-4
9	135	9.5	492	10	US-09-770-621-7
10	107.5	7.6	612	12	US-10-001-851-25
11	91.5	6.4	1781	9	US-09-995-749A-2
12	90	6.3	509	12	US-10-072-152-6
13	87.5	6.2	2353	10	US-09-797-862-33
14	87	6.1	434	10	US-09-770-621-6
15	86.5	6.1	295	10	US-09-815-242-11833
16	84	5.9	770	10	US-09-815-656-31
17	83	5.8	559	12	US-10-001-851-23
18	82.5	5.8	626	12	US-10-001-851-27
19	82	5.8	44	10	US-09-924-358-30

20	82	5.8	44	10	US-09-924-358-31	Sequence 31, Appl
21	81	5.7	425	10	US-09-924-358-32	Sequence 32, Appl
22	81	5.7	425	9	US-09-813-398-32	Sequence 32, Appl
23	79	5.6	559	12	US-10-001-851-29	Sequence 29, Appl
24	79	5.6	559	12	US-10-001-851-24	Sequence 24, Appl
25	77.5	5.5	356	9	US-09-976-059-8	Sequence 8, Appl
26	77.5	5.5	1226	10	US-09-815-242-13646	Sequence 13646, A
27	77	5.4	758	10	US-09-996-194-13	Sequence 13, Appl
28	77	5.4	1229	10	US-09-815-242-5818	Sequence 5818, Ap
29	77	5.4	1229	10	US-09-815-242-12946	Sequence 12946, A
30	76.5	5.4	873	10	US-09-815-242-11969	Sequence 11969, A
31	76.5	5.4	1356	9	US-10-077-111-10	Sequence 10, Appl
32	76	5.4	492	10	US-09-801-368-192	Sequence 192, App
33	76	5.4	559	12	US-10-001-851-20	Sequence 20, Appl
34	76	5.4	559	12	US-10-001-851-21	Sequence 21, Appl
35	76	5.4	559	12	US-10-001-851-22	Sequence 22, Appl
36	76	5.4	561	10	US-09-925-301-1006	Sequence 1006, Ap
37	76	5.4	692	9	US-09-826-115-16	Sequence 16, Appl
38	76	5.4	1599	9	US-10-092-880-9	Sequence 9, Appl
39	76	5.4	4545	10	US-09-873-403-2	Sequence 2, Appl
40	75.5	5.3	207	10	US-09-780-717-26	Sequence 26, Appl
41	75	5.3	192	10	US-09-967-347-4	Sequence 4, Appl
42	75	5.3	435	9	US-10-000-512-18	Sequence 18, Appl
43	75	5.3	678	10	US-09-801-368-314	Sequence 314, App
44	75	5.3	1477	9	US-10-092-880-4	Sequence 4, Appl
45	74	5.2	394	9	US-09-738-626-5219	Sequence 5219, Ap

ALIGNMENTS

RESULT 1

US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-10

Query Match
Best Local Similarity 99.0%; Score 1406; DB 10; Length 263;
Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DDVTCASAEPTVRIVGRNGMCDVDRDDDFDGNQIQWFPSKSNNDPNQIWKIRDTGRTS 60
Db 1 DDVTCASAEPTVRIVGRNGMCDVDRDDDFDGNQIQWFPSKSNNDPNQIWKIRDTGRTS 60

Qy 61 NGSLCTTYGYTAGVYVMTFDCNTAVREATIWIQNGTIIIPRNLVLAASSGIKGTTLT 120
Db 61 NGSLCTTYGYTAGVYVMTFDCNTAVREATIWIQNGTIIIPRNLVLAASSGIKGTTLT 120

Qy 121 VQTLDTLGGQWLAGNDTAPREVITYIGFRDLCSMGSGSVVWVETCVSSQNRWALYGDG 180
Db 121 VQTLDTLGGQWLAGNDTAPREVITYIGFRDLCSMGSGSVVWVETCVSSQNRWALYGDG 180

NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 491 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: M64551
US-09-770-621-8

Query Match 10.3%; Score 146.5; DB 10; Length 491;
Best Local Similarity 27.2%; Pred. No. 7e-06; Indels 57; Gaps
Matches 49; Conservative 20; Mismatches 54

QY 7 ASEP-----TVRIVGRNGCMVDVDDDFHDGNIQIQLWPSKSNNDPNQLMTIKRD 55
Db 354 SSEPXXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQLWDCHSGT--NQWAAATDA 410
QY 56 GTIRNSG-SCLTTYGYTAGVVMIFDCNTAVREATIWIWNGTIIINPRSNLVLAASSGI 114
Db 411 GELRVYGDKLDAAAGTNGSKVQIYSCWGGDNQK--WRLNSDGSVVGQSLCLDA---- 464
QY 115 KGTTLVTQTLDTLGGWLAGNDTAPREVTIYGFRLCMEGSGGSGVWVETCVSSQONRW 174
Db 465 -----VGNQTA-----NGTLIQLYTC-SNGSNRW 488

RESULT 5

US-09-973-457-5
Sequence 5, Application US/09973457
Patent No. US20020164746A1

GENERAL INFORMATION:
APPLICANT: Kapeller-Libermann, Rosana
TITLE OF INVENTION: 47174, A NOVEL HUMAN GLYCOSYLTRANSFERASE
FILE REFERENCE: 10448-099001
CURRENT APPLICATION NUMBER: US/09/973,457
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/238,849
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 135
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Consensus sequence
US-09-973-457-5

Query Match 9.6%; Score 136.5; DB 9; Length 135;
Best Local Similarity 30.5%; Pred. No. 1.1e-05;
Matches 43; Conservative 18; Mismatches 59; Indels 21; Gaps

QY 14 IVGRNGCMVDV--RDDDFHDGNIQIQLWPSKSNNDPNQLWTI---KRDGTIRNSG-CLTT 67
Db 7 IGGNTGLCLDVNGNSKSDGNVPVQLWDCHGG--NQLWKLTYNESDGAIRNSDCLTV 64
QY 68 YGTAGVVMIFDCNTAVR--EATIWQIWNCGTIIINPRSNLVLAASSGIKGTTLTVQTL 125
Db 65 NG-----TVTLSCDGTGKNDNQKWEVKNKGTIRNPK-NSKKGVDG-----LCLDVKD 113
QY 126 YTLGGWLAGNDTAPREVTIY 146
Db 114 GNKVQLWTCNGSDAPNQKWIF 134

RESULT 6

US-10-074-527-6
Sequence 6, Application US/10074527
Patent No. US20020142426A1

GENERAL INFORMATION:
APPLICANT: Olandt, Peter J.
APPLICANT: Meyers, Rachel E.
APPLICANT: Galvin, Katherine A.
APPLICANT: Millennium Pharmaceuticals Inc.
TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
FILE REFERENCE: MPI2001-018P1RCP1(M)
CURRENT APPLICATION NUMBER: US/10/074,527
CURRENT FILING DATE: 2002-02-12
PRIOR APPLICATION NUMBER: 60/269202
PRIOR FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 135
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: consensus
US-10-074-527-6

Query Match 9.6%; Score 136.5; DB 12; Length 135;
Best Local Similarity 30.5%; Pred. No. 1.1e-05;
Matches 43; Conservative 18; Mismatches 59; Indels 21; Gaps

QY 14 IVGRNGCMVDV--RDDDFHDGNIQIQLWPSKSNNDPNQLWTI---KRDGTIRNSG-CLTT 67
Db 7 IGGNTGLCLDVNGNSKSDGNVPVQLWDCHGG--NQLWKLTYNESDGAIRNSDCLTV 64
QY 68 YGTAGVVMIFDCNTAVR--EATIWQIWNCGTIIINPRSNLVLAASSGIKGTTLTVQTL 125
Db 65 NG-----TVTLSCDGTGKNDNQKWEVKNKGTIRNPK-NSKKGVDG-----LCLDVKD 113
QY 126 YTLGGWLAGNDTAPREVTIY 146
Db 114 GNKVQLWTCNGSDAPNQKWIF 134

RESULT 7

US-09-770-621-5
Sequence 5, Application US/09770621
Patent No. US20010024815A1

GENERAL INFORMATION:
APPLICANT: M ntyl , Arja
APPLICANT: Vehmaanper , Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Palohelmo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: 39
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:

us-09-601-667c-6.rapb

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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: US 08/332,412
APPLICATION NUMBER:
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear.
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AMS0
US-09-770-621-5
Query Match          9.5%; Score 135; DB 10; Length 480;
Best Local Similarity 33.0%; Pred. No. 8.3e-05;
Matches      3; Conservative 17; Mismatches 52; Indels    6; Gaps      4;

QY   12 VRIYGRNGMCDVDRDDDFHGDGNQIQWLPSKNNNDPNQLWTIKRDGTIRSNGS-CLTTGYG 70
     :|::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db   370 IRGVASN-RCIDVPNGNTADGTQVLVDCHSGS--NQQWTVTSSGEFRIFGNKCLDAGGS 426

QY   71 TAGVVMIFDCNATVREATIQTWINGNGTIIPRSLNLVAASSGIKGTTLTVQ 122
     :|::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db   427 SNGAVVQIYSCWGGAQN-K-WELRADTGTVGVQSGLCLDAVGGGTNGTRLQ 476

RESULT 8
US-09-770-621-4
; Sequence 4, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Pagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:

```


Query Match 6.2%; Score 87.5; DB 10; Length 2353;
Best Local Similarity 23.7%; Pred. No. 20;
Matches 61; Conservative 41; Mismatches 94; Indels 61; Gaps 12;
QY 12 VRIVGRNMCVDVDDDFHDGQ---IQLWPSKSN---DPNQLWTIKRDTGRTIRNSGSC 64
DB 1251 VEFVGKNGATVSAKT--NNGKHTVTIDVAEAKVGDGLEKTDGKIKLVQNT---DGN 1305
QY 65 LTTVGYTAGVVMIFDCNTAVREATIWIQWNGTIINPRSNLVLAAASGIGKTTTLTVQTL 124
DB 1306 LLTVDATKGASVAKGEFNAVTTDTAQA---GTANERGVVVKSGNGATATE-TDKKK 1360
QY 125 DYLGGQWLAGNDTA-----PRE-----VTIYGRDLCEMN 156
DB 1361 VATVGDVAKAINDAATFVKVENDSATIDDSPTDDGANDALKAGDTLLKAGNKLKVKRD 1420
QY 157 GGSVWVETCVSSQNRWALYDGSIRPKQODQCLTCGRDSVSTVINIVCSAGSSGOR 216
DB 1421 G-----KNITPALNDLSVKSATVSDK-LSLGTN--GNKVNITSDTKGLNPAK 1465
QY 217 WVFTNEGAILNLKGLA 233
DB 1466 DSKTGDDANIHL-NGIA 1481
RESULT 14
US-09-770-621-6
; Sequence 6, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M nyl, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600

Query Match 6.3%; Score 90; DB 12; Length 509;
Best Local Similarity 21.3%; Pred. No. 1.6;
Matches 57; Conservative 32; Mismatches 102; Indels 76; Gaps 12;
QY 14 IVGR-NGMCMVDVDDDFHDGQNLQIWLPSKGNNDPNQLWTIKRDTG-----IRNSGCLTT 67
DB 88 IVNRHSGKALDVFERSSADGANIVQW--DSNGRSNQOQWIIQOVGSSYKIVSRHSGKALEV 145
QY 68 YGTAGVVMIFDCNTAVREATIWIQWNGTIINPRSNLVLAAASGIGKTTTLTVQTLDT 127
DB 146 FNHS-----NONGANVQWQDFGNP---NOLWNIVEVGG-----QAHDFS 183
QY 128 --LGOQWLAGNDTAPREVITYGFRDLQWESNGSGVWVETCVSSQ-----NOR 173
DB 184 KPLQYASMGTTG-----GOGGRVEYASTGSLQKLIDRRSRNPNQP 228
QY 174 WALYDGSIRPKQODQCLTC--GRDSVSTVINIVCSAGSGQ-----RWFTNEGAI 225
DB 229 LTIYVTKITLQNSDDKIEVKHNGRGAHEIRNLIIQOQTRGEFGDGLRLINAHNVIV 288
QY 226 LNLK-----NGLANDVAQANPKL 243
DB 289 RNLIIHVRAGSGEGTSLIEVTQGSKN 315
RESULT 13
US-09-797-862-33
; Sequence 33, Application US/09797862
; Patent No. US20020102276A1
; GENERAL INFORMATION:
; APPLICANT: PEAK, IAN RICHARD ANSELM
; APPLICANT: JENNINGS, MICHAEL PAUL
; APPLICANT: MOXON, E. RICHARD
; TITLE OF INVENTION: NOVEL SURFACE ANTIGEN
; FILE REFERENCE: 065064/0134
; CURRENT APPLICATION NUMBER: US/09/797,862
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: PCT/AU98/01031
; PRIOR FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: GB 9726398.2
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 33
; LENGTH: 2353
; TYPE: PRT
; ORGANISM: Haemophilus influenzae
US-09-797-862-33

TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 434 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: UO8894
US-09-770-621-6

Query Match 6.1%; Score 87; DB 10; Length 434;
Best Local Similarity 36.2%; Pred. No. 2.5;
Matches 25; Conservative 9; Mismatches 31; Indels 4; Gaps 3;
QY 11 TVRIVGRNGCMVDVDRDDFDHGNQIQIQLWPSKSNNDPNQIWKIKRDGTIRSGS-CLTTYG 69
Db 369 TIKGVG-SGRCLDVPNASTSDGVQLQW--DCHGQTNOQWTVTDSQELRVYGNKCLDAAG 425
QY 70 YTAGVYVMI 78
Db 426 TNGGTKVQI 434

RESULT 15

US-09-815-242-11833
Sequence 11833, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
TITLE OF INVENTION: Prokaryotes
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11833
LENGTH: 295
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-815-242-11833

Query Match 6.1%; Score 86.5; DB 10; Length 295;
Best Local Similarity 20.0%; Pred. No. 1.7;
Matches 46; Conservative 34; Mismatches 91; Indels 59; Gaps 8;

QY 2 DVTCSASEPTVRIVGRNGCMVDVDRDDFDHGNQIQIQLWPSKSNNDPNQIWKIKRDGTIRSN 61
Db 37 DVNAAALEETROLLASSGVRVSTAVVDVADREQVQAWADKAASEHGVRNLIFFNAGVAHA 96

QY 62 GSCLTTYGYTAGVYVMI FDCNTAVREATIQI-----WNGNTIINPRSNLVL 108
Db 97 G----TVEGSDYSEYEWIMNIN-----FWGVVNGTKAFIPLHLKASGNHGVYVNVSSVFG 146
QY 109 AASSGIKGTTLTVQTLDTLGGWLAGNDTAPREVITYGF-----RDLCMESNG----- 157
Db 147 FAQPGMSAYNAT-----KYAVRGFTESLRQELDMEDSGVSASCV 185
QY 158 --GSVWVETCVSSQONORWA-LYDGSIRPK-QNQDQCLTCGRDSVSTVI 203
Db 186 HPGGIKTNIAKTARMNESMAKVGTQAPDKAREQFNDOLLRTTPEKAAQVI 235

Search completed: March 22, 2003, 10:37:20
Job time : 12.2412 secs

GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.11728 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-6

Perfect score: 1420

Sequence: 1 DDVTCASEPTVRIYGRNGM.....RRRIIYPATGKPNQMWLPVP 263

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Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Issued Patents AA:*
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5: /cgn2.6/prodata/2/iaa/PCTUS COMB.pcp.*
6: /cgn2.6/prodata/2/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1406	99.0	264	4	US-08-776-059-33
3	1406	99.0	564	4	US-08-776-059-35
4	797	56.1	540	1	US-08-378-761A-77
5	797	56.1	540	1	US-08-485-286-77
6	195	13.7	293	4	US-09-512-342-14
7	152	10.7	132	4	US-09-159-106-15
8	152	10.7	435	4	US-09-159-106-11
9	146.5	10.3	491	2	US-08-468-812-8
10	146.5	10.3	491	4	US-08-590-563-8
11	146	10.3	127	1	US-08-392-828C-39
12	146	10.3	127	3	US-08-330-945-39
13	135	9.5	480	2	US-08-468-812-5
14	135	9.5	480	4	US-08-590-563-5
15	135	9.5	492	2	US-08-468-812-4
16	135	9.5	492	2	US-08-468-812-7
17	135	9.5	492	4	US-08-590-563-4
18	135	9.5	492	4	US-08-590-563-7
19	124.5	8.8	507	4	US-09-130-337A-25
20	98.5	6.9	420	2	US-08-282-197C-63
21	98.5	6.9	420	2	US-08-282-197C-66
22	90	6.3	509	4	US-09-198-955A-6
23	90	6.3	509	4	US-09-694-531-6
24	89.5	6.3	419	2	US-08-282-197C-64
25	89.5	6.3	419	2	US-08-282-197C-67
26	87.5	6.2	1912	1	US-08-409-995-4
27	87.5	6.2	1912	3	US-08-685-467-4

28 87.5 6.2 2353 4 US-09-377-155-33 Sequence 33, Appl
29 87.5 6.2 2353 4 US-08-913-942-4 Sequence 4, Appl
30 87.5 6.2 2353 4 US-09-669-974-33 Sequence 33, Appl
31 87.5 6.2 2411 4 US-09-268-347-36 Sequence 36, Appl
32 87 6.1 434 2 US-08-468-812-6 Sequence 6, Appl
33 87 6.1 434 4 US-08-590-563-6 Sequence 6, Appl
34 86.5 6.1 2354 4 US-09-268-347-47 Sequence 47, Appl
35 86 6.1 406 2 US-08-282-197C-52 Sequence 52, Appl
36 84 5.9 770 4 US-09-245-248B-31 Sequence 31, Appl
37 83 5.8 517 2 US-08-967-508-19 Sequence 19, Appl
38 83 5.8 517 3 US-08-967-506-19 Sequence 19, Appl
39 83 5.8 517 5 PCT-US94-02552-19 Sequence 19, Appl
40 83 5.8 559 2 US-08-967-508-9 Sequence 9, Appl
41 83 5.8 559 3 US-08-967-506-9 Sequence 9, Appl
42 83 5.8 559 5 PCT-US94-02552-9 Sequence 9, Appl
43 82.5 5.8 1087 2 US-08-570-311-8 Sequence 8, Appl
44 82.5 5.8 1087 2 US-08-353-485-8 Sequence 8, Appl
45 82.5 5.8 1358 2 US-08-570-311-27 Sequence 27, Appl

ALIGNMENTS

RESULT 1

US-08-776-059-43

; Sequence 43, Application US/08776059B

; Patent No. 6271368

; GENERAL INFORMATION:

; APPLICANT: LENTZEN, Hans

; APPLICANT: ECK, Jurgen

; APPLICANT: BAUR, Axel

; APPLICANT: ZINKE, Holger

; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)

; FILE REFERENCE: 674503-2003

; CURRENT APPLICATION NUMBER: US/08/776,059B

; EARLIER FILING DATE: 1999-06-19

; EARLIER FILING DATE: 1996-06-25

; EARLIER APPLICATION NUMBER: 95109949.8

; EARLIER FILING DATE: 1995-06-26

; NUMBER OF SEQ ID NOS: 56

; SOFTWARE: PatentIn ver. 2.0

; SEQ ID NO 43

; LENGTH: 263

; TYPE: PRT

; ORGANISM: Viscum album

; US-08-776-059-43

Query Match 99.0%; Score 1406; DB 4; Length 263;

Best Local Similarity 98.9%; Pred. No. 5e-139;

Matches 260; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 DDVTCASEPTVRIYGRNGMCDVDRDDFDHGNQIOLWPSKSNNDPNQLTIKEDGTIRS 60

Db 1 DDVTCASEPTVRIYGRNGMCDVDRDDFDHGNQIOLWPSKSNNDPNQLTIKEDGTIRS 60

QY 61 NGSCLTITGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKIGTTLT 120

Db 61 NGSCLTITGYTAGVYVMIFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKIGTTLT 120

QY 121 VQTLDTYTLGGQWLAGNDTAPREVITYYGFRLDCMESNGSGVWVETCVSSQONQWALYGDG 180

Db 121 VQTLDTYTLGGQWLAGNDTAPREVITYYGFRLDCMESNGSGVWVETCVSSQONQWALYGDG 180

QY 181 SIRPQNQDCLTCGRDSDSVTVINIVSCSAGSGQWRVFTNEGAILNLKGLAMDVAQAN 240

Db 181 SIRPQNQDCLTCGRDSDSVTVINIVSCSAGSGQWRVFTNEGAILNLKGLAMDVAQAN 240

QY 241 PKLRIIIYPATGKPNQMWLPVP 263

Db 241 PKLRIIIYPATGKPNQMWLPVP 263

FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159.106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 132
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match 10.7%; Score 152; DB 4; Length 132;
Best Local Similarity 36.3%; Pred. No. 2.3e-08;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 5;
QY 18 NGMCVDVDRDDPHDGNQIQWLWPSKSNNDPNQWTKIKRDTIRNSGSLTTY--GYTAGVY 75
DB 14 NGMCVDVDPWADPTGNPQIVTCGN--AAQTWRGSGDTVRALGKCLDVRDGGSTRGAA 71
QY 76 VMIFDCNTAVREATIQTW----GNGTTINPRSNLVLAASSGI---KGTTLTVQTLDTYL 128
DB 72 VQVWTCN-----GTGAQKWAYDAGSKALRNPSQGLCLDGTGAPLRDQRLQWTCNGTT 126
QY 129 GOGW 132
DB 127 AQOW 130

RESULT 8

US-09-159-106-11
Sequence 11, Application US/09159106
Patent No. 6284509
GENERAL INFORMATION:
APPLICANT: Ferrer, Pau
APPLICANT: Diers, Ivan
APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159.106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 11
LENGTH: 435
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match 10.7%; Score 152; DB 4; Length 435;
Best Local Similarity 36.3%; Pred. No. 1.3e-07;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 5;
QY 18 NGMCVDVDRDDPHDGNQIQWLWPSKSNNDPNQWTKIKRDTIRNSGSLTTY--GYTAGVY 75
DB 317 NGMCVDVDPWADPTGNPQIVTCGN--AAQTWRGSGDTVRALGKCLDVRDGGSTRGAA 374
QY 76 VMIFDCNTAVREATIQTW----GNGTTINPRSNLVLAASSGI---KGTTLTVQTLDTYL 128
DB 375 VQVWTCN-----GTGAQKWAYDAGSKALRNPSQGLCLDGTGAPLRDQRLQWTCNGTT 429

QY 129 GOGW 132
DB 430 AQOW 433

RESULT 9

US-08-468-812-8
Sequence 8, Application US/08468812
Patent No. 5935836
GENERAL INFORMATION:
APPLICANT: Veinmaa, Jari
APPLICANT: Mntyl, Arja
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lantinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 491 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: M64551
US-08-468-812-8

Query Match 10.3%; Score 146.5; DB 2; Length 491;
Best Local Similarity 27.2%; Pred. No. 5.9e-07;
Matches 49; Conservative 20; Mismatches 54; Indels 57; Gaps 8;
QY 7 ASEP-----TVRIYGRNGMCMVDVDRDDPHDGNQIQWLWPSKSNNDPNQWTKIKR 55
DB 354 SSEPPXXXXXADGGQIKGVG-SGRCLDVPDASTDGTQLQWDCSGT--NQQWAATDA 410
QY 56 GTIRNSG-SCLTYGYTAGVYVWIFPCNTAVREATIQTWINGNTIINPRSNLVLAASSGI 114

Db 411 GELRVYGGKCLDAAGTSNGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDA----- 464
 QY 115 KGTTLTVQTLDTLQGGWLAGNDTAPREVTIYGFRLDLCMESNGGVSVMVETCVSSQONRW 174
 Db 465 -----VNGNTA-----NGTLIQLYTC-SNGSNQRW 488

RESULT 10

US-08-590-563-8
 ; Sequence 8, Application US/08590563
 ; Patent No. 6300114
 ; GENERAL INFORMATION:
 ; APPLICANT: M ntyl, Arja
 ; APPLICANT: Vehmaamper, Jari
 ; APPLICANT: Fagerstr m, Richard
 ; APPLICANT: Lantto, Raija
 ; APPLICANT: Paloheimo, Marja
 ; APPLICANT: Suominen, Pirkko
 ; APPLICANT: Lahtinen, Taria
 ; TITLE OF INVENTION: Production and Secretion of Proteins of
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 ; STREET: 1100 New York Ave., N.W. Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/590,563
 FILING DATE: 26-JAN-1996
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/468,812
 FILING DATE: 08-JUN-1995
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/332,412
 FILING DATE: 31-OCT-1994
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/282,001
 FILING DATE: 29-JUL-1994
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Bugalsky, Lawrence B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 1050.0340003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 491 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: M64551

US-08-590-563-8

Query Match 10.3%; Score 146.5; DB 4; Length 491;
 Best Local Similarity 27.2%; Pred. No. 5.9e-07;
 Matches 49; Conservative 20; Mismatches 54; Indels 57; Gaps 8;
 QY 7 ASEP-----TVIRVGRNGMCDVDRDDFDHGNQIQIWFPSKSNNDPNQLWTIKRD 55

Db 354 SSEPPXXXXXADGGQIKGVG-SGRCLDVPDASTDGTQLQWDCHSGT--NQWAAATDA 410
 QY 56 GTIRNG-SCLTGYTAGVYVIMPCNTAVREATIWIQWNGGTIINPRSNLVLAASSGI 114
 Db 411 GELRVYGGKCLDAAGTSNGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDA----- 464
 QY 115 KGTTLTVQTLDTLQGGWLAGNDTAPREVTIYGFRLDLCMESNGGVSVMVETCVSSQONRW 174
 Db 465 -----VNGNTA-----NGTLIQLYTC-SNGSNQRW 488

RESULT 11

US-08-392-828C-39
 ; Sequence 39, Application US/08392828C
 ; Patent No. 5795962
 ; GENERAL INFORMATION:
 ; APPLICANT: IWANAGA, SADAOKI
 ; APPLICANT: MUTA, TATSUSHI
 ; APPLICANT: SEKI, NORIYAKI
 ; APPLICANT: ODA, TOSHIO
 ; TITLE OF INVENTION: NOVEL POLYPEPTIDE AND DNA ENCODING
 ; TITLE OF INVENTION: THEREOF
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
 ; ADDRESSEE: THIBEAULT
 ; STREET: 53 STATE STREET
 ; CITY: BOSTON
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/392,828C
 FILING DATE: 28-FEB-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, PAULA A
 REGISTRATION NUMBER: 32,503
 REFERENCE/DOCKET NUMBER: FJN-033
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 248-7000
 TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 127 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Peptide
 LOCATION: 1..127
 OTHER INFORMATION: /note= "XLN A SEQUENCE (FIGURE 4)"

US-08-392-828C-39

Query Match 10.3%; Score 146; DB 1; Length 127;
 Best Local Similarity 28.0%; Pred. No. 9.2e-08;
 Matches 46; Conservative 19; Mismatches 53; Indels 46; Gaps 7;

QY 12 VRIVGRNGMCDVDRDDFDHGNQIQIWFPSKSNNDPNQLWTIKRDGTIRNG-SCLTYGY 70
 Db 6 IKGVG-SGRCLDVPDASTDGTQLQWDCHSGT--NQWAAATDAGELRVYGGKCLDAAGT 62
 QY 71 TAGVYVIMPCNTAVREATIWIQWNGGTIINPRSNLVLAASSGIKGTTLTVQTLDTLQ 130
 Db 63 SNGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDA----- 100

QY 131 GWLAGNDTAPREVTIYGRDLCEMNSNGSVVWVETCVSSQQNRW 174
Db 101 ---VNGTGA-----NGTLIQLYTC-SNGSNQRW 124

RESULT 12
US-09-330-945-39
Sequence 39, Application US/09330945
Patent No. 6077946
GENERAL INFORMATION:
APPLICANT: IWANAGA, SADAOKI
APPLICANT: MUTA, TATSUSHI
APPLICANT: SEKI, NORIYAKI
APPLICANT: ODA, TOSHIO
TITLE OF INVENTION: DNA ENCODING HORSESHOE CRAB
TITLE OF INVENTION: AMEBOCYTE LYSATE FACTOR G SUBUNIT A
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
ADDRESSEE: THIBEAULT, LLP
STREET: 125 HIGH STREET
CITY: BOSTON
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/330,945
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/119,995
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDMUND R
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FUN-032DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 127 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..127
OTHER INFORMATION: /note= "XLN A SEQUENCE (FIGURE 4)"
US-09-330-945-39

Query Match 10.3%; Score 146; DB 3; Length 127;
Best Local Similarity 28.0%; Pred. No. 9.2e-08;
Matches 46; Conservative 19; Mismatches 53; Indels 46; Gaps 7;
QY 12 VRIVGRNGMCDVDDDDPHDGNQIQLPWPSKSNNDPNQLWTIKRDGTIRNSG-SCLTIVGY 70
Db 6 IKGVG-SGRCLDVPDASTSDGTQLQLWDCHSGT--NQQAATDAGELVYGDKCLDAAGT 62
QY 71 TAGVVMIFDCNTAVREATIQWINGNTIIPRNLVLAASSGKGTTLTVQTLDTLQ 130
Db 63 SNGSKVQIYSCWGGDNQK--WELNSDGSVWGVQSGLCIDA----- 100
QY 131 GWLAGNDTAPREVTIYGRDLCEMNSNGSVVWVETCVSSQQNRW 174
Db 101 ---VNGTGA-----NGTLIQLYTC-SNGSNQRW 124

RESULT 13
US-08-468-812-5
Sequence 5, Application US/08468812
Patent No. 5935836
GENERAL INFORMATION:
APPLICANT: Vehmaanper, Jari
APPLICANT: M ntyl, Arja
APPLICANT: Pagarstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
TITLE OF INVENTION: of Use
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/292,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-08-468-812-5

Query Match 9.5%; Score 135; DB 2; Length 480;
Best Local Similarity 33.0%; Pred. No. 9e-06;
Matches 37; Conservative 17; Mismatches 52; Indels 6; Gaps 4;
QY 12 VRIVGRNGMCDVDDDDPHDGNQIQLPWPSKSNNDPNQLWTIKRDGTIRNSG-CLTIVGY 70
Db 370 IRGVASN-RCIDVPNGNTADGTQQLYDCHSGS--NQWTVTSSEGFIFGNKCLDAGS 426
QY 71 TAGVVMIFDCNTAVREATIQWINGNTIIPRNLVLAASSGKGTTLTVQ 122
Db 427 SNGAVVQIYSCWGGANQK--WELRADGTIVGVQSGLCILDVAGGVTGNGTRLQ 476
RESULT 14

US-08-590-563-5
; Sequence 5, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaaper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
US-08-590-563-5

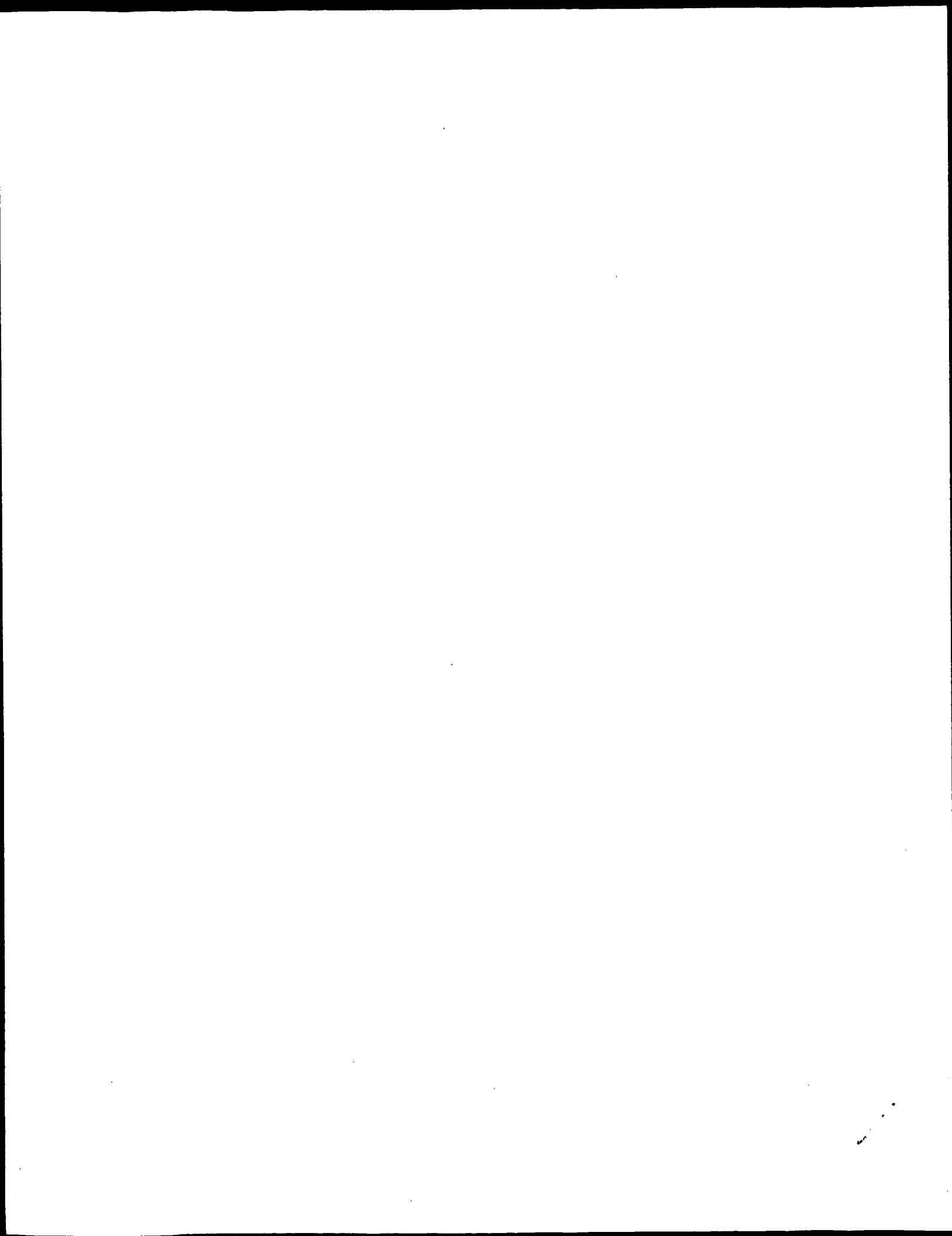
Query Match 9.5%; Score 135; DB 4; Length 480;
Best Local Similarity 33.0%; Pred. No. 9e-06;
Matches 37; Conservative 17; Mismatches 52; Indels 6; Gaps 4;
QY 12 VRIVGNMGCVDRDDDFDGNQIQQLWPSKSNNDPNQLWTIKRDGTIRNSGS-CLTTVGY 70
Db 370 IRGVASN-RCIDVPNGNTADGTQVQLYDCHSGS--NQQWYTSSTSGEFRIFGNKCLDAGGS 426
QY 71 TAGVYVMIFDCNTAVREATIWIQWNGNTIIPRNSNLVLAASSGIKGTTLTVQ 122
Db 427 SNGAVVQIYSCWGGANQK--WELRADGTIVGVQSLCLDVGCGGTGNGTRLQ 476

RESULT 15

US-08-468-812-4
; Sequence 4, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaaper , Jari
; APPLICANT: M ntyl , Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-812-4

Query Match 9.5%; Score 135; DB 2; Length 492;
Best Local Similarity 33.0%; Pred. No. 9.4e-06;
Matches 37; Conservative 17; Mismatches 52; Indels 6; Gaps 4;
QY 12 VRIVGNMGCVDRDDDFDGNQIQQLWPSKSNNDPNQLWTIKRDGTIRNSGS-CLTTVGY 70
Db 370 IRGVASN-RCIDVPNGNTADGTQVQLYDCHSGS--NQQWYTSSTSGEFRIFGNKCLDAGGS 426
QY 71 TAGVYVMIFDCNTAVREATIWIQWNGNTIIPRNSNLVLAASSGIKGTTLTVQ 122
Db 427 SNGAVVQIYSCWGGANQK--WELRADGTIVGVQSLCLDVGCGGTGNGTRLQ 476

Search completed: March 22, 2003, 09:59:40
Job time : 9.11728 secs



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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.27635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-7

Perfect score: 1418
Sequence: 1 DDVTCASEPTVRIIVGRNGM.....RRILYIPATGKNQMWLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	1333.5	94.0	263	10	US-09-347-064-10
2	1333.5	94.0	267	10	US-09-347-064-4
3	174.5	12.3	145	12	US-10-074-527-5
4	129	9.1	135	9	US-09-973-457-5
5	129	9.1	135	12	US-10-074-527-6
6	124.5	8.8	492	10	US-09-770-621-7
7	124.5	8.8	492	10	US-09-770-621-7
8	122.5	8.6	480	10	US-09-770-621-5
9	122.5	8.6	491	10	US-09-770-621-8
10	102	7.2	612	12	US-10-001-851-25
11	95	6.7	295	10	US-09-815-242-11833
12	94	6.6	1723	10	US-09-841-132-394
13	94	6.6	1723	10	US-09-841-132-395
14	93	6.6	2771	9	US-09-808-602-82
15	89.5	6.3	770	10	US-09-815-656-31
16	86.5	6.1	239	10	US-09-910-071-15
17	83.5	5.9	608	10	US-09-924-358-8
18	83	5.9	2353	10	US-09-797-862-33
19	82.5	5.8	836	9	US-09-858-525A-10

ALIGNMENTS

RESULT 1

US-09-347-064-10
; Sequence 10, Application US/09347064A

; Patent No. US20020045208A1

; GENERAL INFORMATION:

; APPLICANT: Eck, Jurgen

; APPLICANT: Schmidt, Arno

; APPLICANT: Zinke, Holger

; TITLE OF INVENTION: Recombinant Fusion Proteins Based on

; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

; TITLE OF INVENTION: album

; FILE REFERENCE: 09282-5

; CURRENT APPLICATION NUMBER: US/09/347.064A

; CURRENT FILING DATE: 1999-07-02

; EARLIER APPLICATION NUMBER: PCT/EP98/00009

; EARLIER FILING DATE: 1998-01-02

; EARLIER APPLICATION NUMBER: EP 97 10 0012.0

; EARLIER FILING DATE: 1997-01-02

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 10

; LENGTH: 263

; TYPE: PRT

; ORGANISM: Viscum album

US-09-347-064-10

Query Match 94.0%; Score 1333.5; DB 10; Length 263;

Best Local Similarity 95.4%; Pred. No. 4.8e-116;

Matches 251; Conservative 2; Mismatches 9; Indels 1; Gaps 1;

Qy 1 DDVTCASEPTVRIIVGRNGMRVDRDDFDHGNQIQLWPFSKSNNDPNQLTWKRDGTIRS 60

Db 1 DDVTCASEPTVRIIVGRNGMCDVDRDDFRDGNQIQLWPFSKSNNDPNQLTWKRDGTIRS 60

Qy 61 NGSCLTYYGYAGVYVMIFDCNTAVREATIWIQNDNGHIIINPRSNLVLAASGGIKGTTLT 120

Db 61 NGSCLTYYGYAGVYVMIFDCNTAVREATIWIQNDNGHIIINPRSNLVLAASGGIKGTTLT 120

Qy 121 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCEMSNGGSGVWVETCDSSQKQKQWLYGD 180

Db 121 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCEMSNGGSGVWVETCDSSQKQKQ-RWALYGD 179

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Qy 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRVFTNEGAILNLKNGLAMVQA 240
Db 180 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRVFTNEGAILNLKNGLAMVQA 239
Qy 241 NPKLRRRIIYPATGKPNQMWLPV 263
Db 240 NPKLRRRIIYPATGKPNQMWLPV 262

RESULT 2
US-09-347-064-4
; Sequence 4, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-4

Query Match 94.0%; Score 1333.5; DB 10; Length 267;
Best Local Similarity 95.4%; Pred. No. 4.9e-116;
Matches 251; Conservative 2; Mismatches 9; Indels 1; Gaps 1;

Qy 1 DDVTCASAEPTVRIVGRMGVDRDDFDHQIQLWPSKSNNDPNQLTIKRDGTIRS 60
Db 1 DDVTCASAEPTVRIVGRMGVDRDDFDHQIQLWPSKSNNDPNQLTIKRDGTIRS 60
Qy 61 NGSCLTITGYTAGVYVIMFDCTAVREATLWQIWDNGTIINPRSNLVLAASSGKGTILT 120
Db 61 NGSCLTITGYTAGVYVIMFDCTAVREATLWQIWDNGTIINPRSNLVLAASSGKGTILT 120
Qy 121 VQTLDTYTLGQWLAGNDTAPREVTIYGFRLDLCMESNGSGSVVWVETCVSSQKNQ-RWALYGD 180
Db 121 VQTLDTYTLGQWLAGNDTAPREVTIYGFRLDLCMESNGSGSVVWVETCVSSQKNQ-RWALYGD 179
Qy 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRVFTNEGAILNLKNGLAMVQA 240
Db 180 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRVFTNEGAILNLKNGLAMVQA 239
Qy 241 NPKLRRRIIYPATGKPNQMWLPV 263
Db 240 NPKLRRRIIYPATGKPNQMWLPV 262

RESULT 3
US-10-074-527-5
; Sequence 5, Application US/10074527
; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Meyer, Rachel E.
; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: MPI2001-018P(RCP1(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
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; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
US-10-074-527-5

Query Match 12.3%; Score 174.5; DB 12; Length 145;
Best Local Similarity 35.8%; Pred. No. 5.9e-09;
Matches 43; Conservative 20; Mismatches 46; Indels 11; Gaps 5;

Qy 154 EBSGGSVWVETCDSSQKNQKWL---YDGSIRPKQNDQCLTSGRDSVSTVINIVSC- 209
Db 25 ESDGNQVQLMNCNCHSPGNKQKWSLTYSDESDGEIRSVVNDKCLTVNANSPGSEVKLYQCD 84
Qy 210 SCASGSORWVFTNEGAI-----LNLKN-GLAMVQAQNPKL-RRIIYPATGKPNQMWLP 262
Db 85 SATSDNQKQWLNNDGLIGNKILLNLVNTGLVDLVKGSQTQNGTKLILYTCGGRNQWLP 144

RESULT 4
US-09-973-457-5
; Sequence 5, Application US/09973457
; Patent No. US20020164746A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: 47174, A NOVEL HUMAN GLYCOSYLTRANSFERASE
; FILE REFERENCE: 10448-099001
; CURRENT APPLICATION NUMBER: US/09/973,457
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/238,849
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence
US-09-973-457-5

Query Match 9.1%; Score 129; DB 9; Length 135;
Best Local Similarity 28.1%; Pred. No. 8.8e-05;
Matches 41; Conservative 19; Mismatches 38; Indels 48; Gaps 9;

Qy 145 IYGFRLDLCMESNGSGSVWVETCDSSQKNQK---WALYG-----DGSIRPKQ 187
Db 7 IGGNTGLCLDVNG-----NSESKEGDNFVQLWDCHGGGNQLWKLTYNESDGAIR--I 56
Qy 188 NODQCLTSGRDSVSTVINIVSCG---ASGSORWVFTNEGAILNLKN-----GLAMDV 237
Db 57 NSDLCLT-----VNGTVTLYSCDGTGKNDQKWEVKNKGTIRNPKNSKKGVDSGLCLDV 111
Qy 238 AQANPKLRRRIIYPATGK--PNQMWL 261
Db 112 KQGN----KVQLWTCNGSDAPNQKI 133

RESULT 5
US-10-074-527-6
; Sequence 6, Application US/10074527
; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Meyers, Rachel E.
```

```

; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
; FILE OF INVENTION: Uses Therefor
; FILE REFERENCE: MPI2001-018P/RCPI(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
US-10-074-527-6

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Query Match          9.1%; Score 129; DB 12; Length 135;
Best Local Similarity 28.1%; Pred. No. 8.8e-05;
Matches 41; Conservative 19; Mismatches 38; Indels 48; Gaps 9;

QY 145 IYGFRLCMESGGVWVETCDSSQKNGK-----WALYG-----DGSIRPKQ 187
Db 7 IGNTGLCLDVNG-----NSEKSDGNPVQLWDCHGGGQNLWLKLTYNESDGAIR--I 56

QY 188 NODQCLTSGRDVSSTVINIVCSG---ASGSRQWFTNEGAILNLKN-----GLAMDV 237
Db 57 NSDLCLT-----VNGTIVTLYSCDGTDKGNDNQKWEVKNKDGTTIRNPKNSKKGVDSGLCLDV 111

QY 238 AQANPKLRRRIIYPATGK--NQMWL 261
Db 112 KQGN-----KVQLWTCNGSDAPNQKWI 133

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RESULT 6
US-09-770-621-4
; Sequence 4, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ncy1, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-770-621-4

Query Match          8.8%; Score 124.5; DB 10; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.0012;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;

QY 23 DVRDDDFHDGQIQWLPS---KSNNDPNQLWTIKRDGTR---SNGSCLTITYG----- 70
Db 168 DYNVEAFEDGNSGRRCDSNLQRTGND---WIEVAFRTARQGDPSAKLCYNDYNIENWNA 223

QY 71 --TAGVYVMI-----FDCNTAVREATIWIQINDGTIINPRSNLVLAASGKIGTTL 119
Db 224 AKTQAVYNNVRDFKSRGVPIDC-----VGFQSHFNFGNPNPNFRFTTLQQAAL-GVDV 276

QY 120 TVQTLDTYTLGGWLAGNDTAPRE-----VTIYGFRLD-----LC 152
Db 277 EVTELDI-----ENAPQATYASVIRDCLAVDRCITGVWGRVSDSNRSYQNPL 326

QY 153 MESN-----GGSVWV-----ET 164
Db 327 FDNNGNKKQAYAVVLDALNEGSDGGSPPNPVSPPPGGGQIRGVASNRNCIDVPNGNT 386

QY 165 CDSQO-----KNQCKWALYGDGSTRPKQNOCLTSGRDVSSTVINIVCSGASGS 215
Db 387 ADGTQVQLYDCHSGNQ--QWYTSGGEFRICGN---KCLDAGSSNGAVVQIYSCWGGGA-N 442

QY 216 QRWVFTNEGAILNLKNGLAMLD--VAQANPKLRRRIIYPATGKPNQMW 260
Db 443 QKWELRADGTIVGVQSGGLCLDAVGSGGTGNGTRQLYLSWCGWNNQKW 488

RESULT 7
US-09-770-621-7
; Sequence 7, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ncy1, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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Sat Mar 22 10:41:43 2003

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-7

Query Match 8.8%; Score 124.5; DB 10; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.0012;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;
Qy 23 DVRRDDFDHGNQIQWPS---KSNNDPNQWTKRDKTIR---SNGSCLTYGY-----70
Db 168 DVNEAFEDGSGRCRDLQRTGND---WIEAFRTARQDPSAKLCYNDYNENWNA 223
Qy 71 --TAGVYVMI-----FDGNTAVREATIWIQIWDNGTIINPRNLVLAASSGKIGTTL 119
Db 224 AKTQVYVNMVDFKSRGPIDC-----VGFQSHFNSGNPNPNFTTLQQAAL-GVDV 276
Qy 120 TVQTLDTLGGWLAGNDTPARE-----VTIYGFRR-----LC 152
Db 277 EVTELDI-----ENAPQTVASVIRDCIADVDRCTGTVWGVDRSDSWSRYSQNPLL 326
Qy 153 MESN-----GGSVWV-----ET 164
Db 327 FDNNNGKQAYVAVLDALNEGSDGPGSPNPVPPPGGGGQIRGVASNRCDIVPNGNT 386
Qy 165 CDSO-----KNOGKWAYDGSIRPKQNOQOCLTSGRDSYSTVINIVSCSGAGS 215
Db 387 ADGTQVLYDCHSGNQ--QWTVTSSEFRIFGN--KCLDAGSSNGAVVQIYSCWGA-N 442
Qy 216 QRWFTNEGAILNKLNGLAM--VAQANPKLRIRIIPATGKPNQW 260
Db 443 QKWELRADGTIVGVQSGCLDAVGGTGNGTRQLYLCWCGGNQKW 488
RESULT 8
US-09-770-621-5
; Sequence 5, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmanper, Jari
; APPLICANT: Fagerstr m, Richard

APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-5
Query Match 8.6%; Score 122.5; DB 10; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.0018;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;
Qy 22 VDRDDFDHGNQIQWPSKSNNDPNQWTKRDKTIRSNGS-CLTTYGTAGVYVMI 80
Db 379 IDVPNGNTADGTQVLYDCHSGS--NQQWTVTSSEFRIFGNKCLDAGSSNGAVVQIYS 436
Qy 81 CNTAVREATIWIQIWDNGTIINPRNLVLAASSGKIGTTLTVQ 122
Db 437 CWGANQK--WELRADGTIVGVQSGCLDAVGGTGNGTRQLQ 476
RESULT 9
US-09-770-621-8
; Sequence 8, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmanper, Jari
; APPLICANT: Fagerstr m, Richard


```

; APPLICANT: Lantto, Raija
; APPLICANT: Pahoelimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; TYPE: amino acid
; LENGTH: 491 amino acids
; STRANDEDNESS: linear
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
;
US-09-770-621-8

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Query Match      8.6%; Score 122.5; DB 10; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.0019;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;

QY 7 ASEP-----TVRIVGRNGMRVDVDDFDHGNQIQLPWPSKSNNDPNOLWTIKRD 55
Db 354 SSEPPXXXXXAGGQKGVG-SGRCLDVPDASTDGTQLQWDCHSGT--NQWNAATDA 410
QY 56 GTIRNSG-SCLTITGYTAGVVMIFDCNTAVREATIWIWDNGTIINPRSNLVLA--SS 112
Db 411 GELRVYDGKCLDAAGTNGSKVQLIYCWGGDNQK--WRLNSDGVVVGQGLCLDAVNG 468
QY 113 GIKGTTTLTVQTLDYTLQGW 132
Db 469 TANGTLIQLYTCNSGNSQNRW 498

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```

RESULT 10
US-10-001-851-25
; Sequence 25, Application US/10001851
; Patent No. US20020115628A1

```

```

; GENERAL INFORMATION:
; APPLICANT: MEYERS, Rachel A.
; APPLICANT: WILLIAMSON, Mark
; TITLE OF INVENTION: 47169 and 33935, No. US20020115628A1el Human Glycosyl Transferases
; TITLE OF INVENTION: Uses Thereof
; FILE REFERENCE: 10147-5601
; CURRENT APPLICATION NUMBER: US/10/001,851
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: US 60/249,939
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
;
US-10-001-851-25

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Query Match      7.2%; Score 102; DB 12; Length 612;
Best Local Similarity 26.4%; Pred. No. 0.2;
Matches 32; Conservative 23; Mismatches 50; Indels 16; Gaps 6;

QY 148 FRDLCMESN----GGSVWVETCDSSQKNQGWALYDGSIRPKNQKQDCLTSGR-DSVST 202
Db 492 FTEKCVDTNGKKGQAGGIQACHGAGNQ-AWSLTGKGEIR---SDDLCLSSGHVYQIGS 547
QY 203 VINIVSCGASGSRWVFT---NEGAILNLKGLAMDVAQANPKLRIIYYPATGKNQM 259
Db 548 ELKLERCSVSKINVKHFVDDQAGTLLHKKTKCVTGADQQRVTLDEC----GLGRKQDM 603
QY 260 W 260
Db 604 W 604

```

```

RESULT 11
US-09-815-242-11833
; Sequence 11833, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; FILE REFERENCE: Prokaryotes
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11833
; LENGTH: 295
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

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US-09-815-242-11833

Query Match 6.7%; Score 95; DB 10; Length 295;
Best Local Similarity 19.6%; Pred. No. 0.35; 91; Indels 58; Gaps 7;
Matches 45; Conservative 36; Mismatches 30; Indels 96; Gaps 10;

QY 2 DVTCSASEPTVRIYGRNGMRVDVDDDFHDCNQIQWLWPSKNNPDNQLWTKRDTGRSN 61
DB 37 DVNAAAEETQQLASSGVRVSTAVDVADREQVQAMADKAASEHGRVNLIFNAGVAHA 96
QY 62 GSCLLTYGTAGVYVIMFDCNTAVRETIQIWD-----NGTIINPRSNLVL 108
DB 97 G---IVGSDYSEYEWIMNIN-----FWGVVNGTKAFLPHLKASGNHVVNVSSVFLG 146
QY 109 AASSGIGKTTLTQTLTYLQCGWLAGNDTAPREVITYGF-----RDLCMESNG----- 157
DB 147 FAQPGMSAYNAT-----KVAVRGFTESLRQELDMEDSGVSASCV 185
QY 158 --GSVWVETCDSSQKNQKWLGYDGSIRPK-QNODQCLTSGRDSVTVI 204
DB 186 HPGGKTKTAKTARNESMAKVGTGQAPDKAREQFNDQLLRTTPEKAQVI 235

RESULT 12
US-09-841-132-394
; Sequence 394, Application US/09841132
; Patent No. US20020061848A1
; GENERAL INFORMATION:
; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 394
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-394

Query Match 6.6%; Score 94; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 4.3;
Matches 60; Conservative 30; Mismatches 81; Indels 96; Gaps 10;
QY 59 RNSGCLTTYGT--AGVYVIMFDCNTA-----VREATIWIQWLN-----G 97
DB 231 KSGGAAYTEGALTQAIWEAVTFTGNTSAGOGGAIYVKEATLFLNADSLKFEKNTSGQAG 290
QY 98 TIINPRSNLVL-----AASSGIGKTTLTQTL----- 124
DB 291 GGIIVTESLTITSNITKSIETISNKASVPAPAPPTSPAPSSLLNSTIDTSLQTRAASA 350
QY 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCMESNGGVSVMVE-TCD 166
DB 351 TPAVAPVAAVTPTISTQETAGN---GAIYAKQGISISTFKDLTFKNSASVDATLTVD 407
QY 167 SSKNQKQKWLGYDGSIRPKQNOQCLTSGRD-----SVSTVINIV-----S 208
DB 408 STTIGESGAIFAADSIOIQCTGTTLFSGNTANKSGGGIYAVGQVTLIEDIANLKMNTNT 467
QY 209 CSGASG---SORWFTNEGAILNLKNG 232
DB 468 CKEGGAIYTKKALTINNGAILTTFSG 494

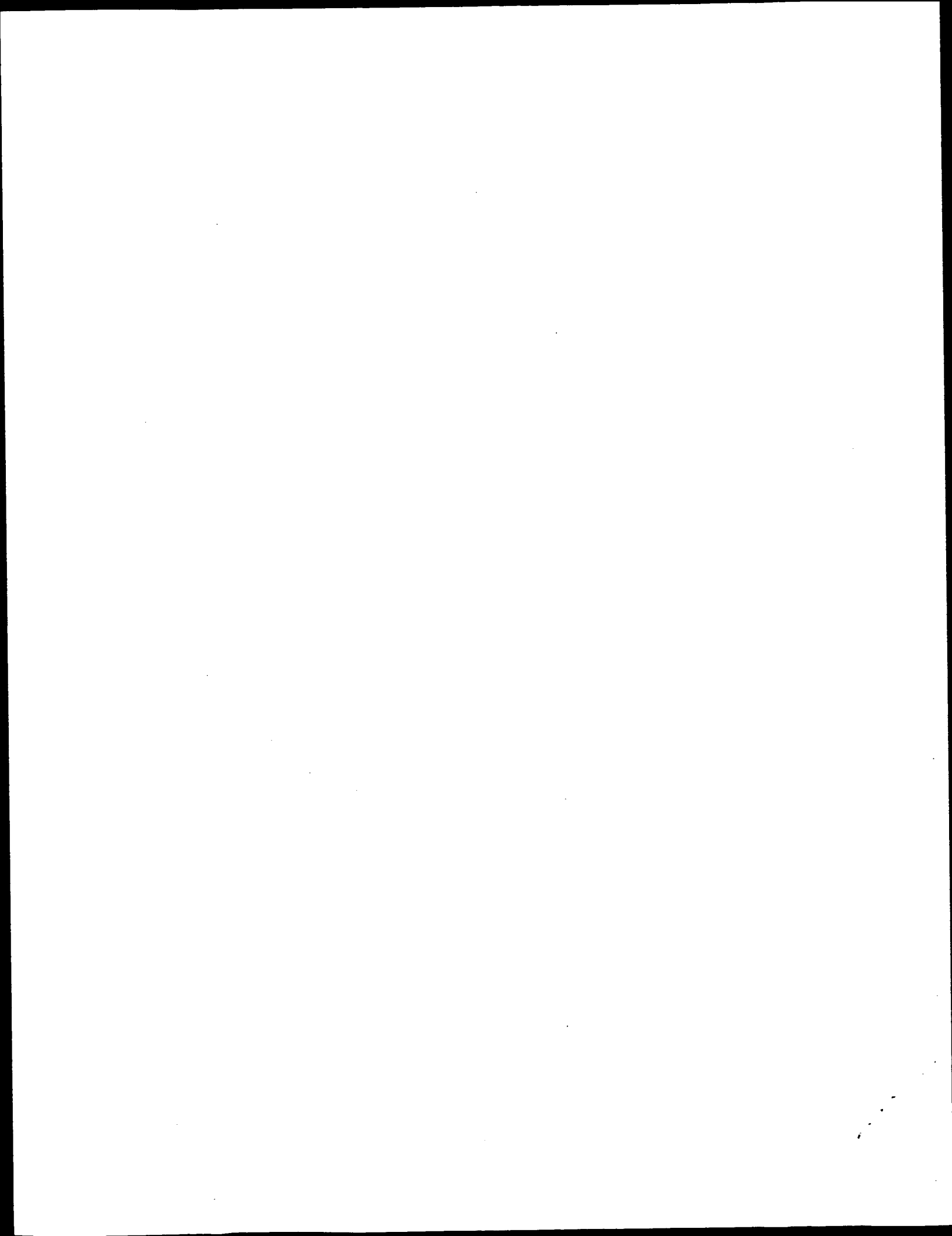
RESULT 13
US-09-841-132-395
; Sequence 395, Application US/09841132
; Patent No. US20020061848A1

GENERAL INFORMATION:
; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

Query Match 6.6%; Score 94; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 4.3;
Matches 60; Conservative 30; Mismatches 81; Indels 96; Gaps 10;
QY 59 RNSGCLTTYGT--AGVYVIMFDCNTA-----VREATIWIQWLN-----G 97
DB 231 KSGGAAYTEGALTQAIWEAVTFTGNTSAGOGGAIYVKEATLFLNADSLKFEKNTSGQAG 290
QY 98 TIINPRSNLVL-----AASSGIGKTTLTQTL----- 124
DB 291 GGIIVTESLTITSNITKSIETISNKASVPAPAPPTSPAPSSLLNSTIDTSLQTRAASA 350
QY 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCMESNGGVSVMVE-TCD 166
DB 351 TPAVAPVAAVTPTISTQETAGN---GAIYAKQGISISTFKDLTFKNSASVDATLTVD 407
QY 167 SSKNQKQKWLGYDGSIRPKQNOQCLTSGRD-----SVSTVINIV-----S 208
DB 408 STTIGESGAIFAADSIOIQCTGTTLFSGNTANKSGGGIYAVGQVTLIEDIANLKMNTNT 467
QY 209 CSGASG---SORWFTNEGAILNLKNG 232
DB 468 CKEGGAIYTKKALTINNGAILTTFSG 494

RESULT 14
US-09-808-602-82
; Sequence 82, Application US/09808602
; Patent No. US20020155115A1
; GENERAL INFORMATION:
; APPLICANT: Vernet, Corine A
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard A
; APPLICANT: Herrman, John L
; APPLICANT: Majumder, Kumud
; APPLICANT: Mishra, Vishnu
; APPLICANT: Mezes, Peter S
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: No. US20020155115A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-697 CIP
; CURRENT APPLICATION NUMBER: US/09/808,602
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/800,198
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 60/186,596
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 82
; LENGTH: 2771
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-808-602-82

Query Match 6.6%; Score 93; DB 9; Length 2771;
Best Local Similarity 25.0%; Pred. No. 9.9;



GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-7
Perfect score: 1418
Sequence: 1 DDVTCASPTVIRVGRNGM.....RRIIYPATGKNQWMLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
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2: /cgn2_6/ptodata/2/iaa/5B-COMB.pbp:*
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4: /cgn2_6/ptodata/2/iaa/6B-COMB.pbp:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pbp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1333.5	94.0	263	4	US-08-776-059-43
2	1333.5	94.0	264	4	US-08-776-059-33
3	1333.5	94.0	564	4	US-08-776-059-35
4	783.5	55.3	540	1	US-08-378-761A-77
5	783.5	55.3	540	1	US-08-485-286-77
6	182.5	12.9	293	4	US-09-512-342-14
7	136	9.6	132	4	US-09-159-106-15
8	136	9.6	435	4	US-09-159-106-11
9	124.5	8.8	492	2	US-08-468-812-4
10	124.5	8.8	492	2	US-08-468-812-7
11	124.5	8.8	492	4	US-08-590-563-4
12	124.5	8.8	492	4	US-08-590-563-7
13	122.5	8.6	480	2	US-08-468-812-5
14	122.5	8.6	480	4	US-08-590-563-5
15	122.5	8.6	491	2	US-08-468-812-8
16	122.5	8.6	491	4	US-08-590-563-8
17	122	8.6	127	3	US-09-330-945-39
18	122	8.6	127	3	US-09-330-945-39
19	106	7.5	507	4	US-09-130-337A-25
20	89.5	6.3	770	4	US-09-245-248B-31
21	87.5	6.2	342	4	US-09-129-033-2
22	87.5	6.2	553	1	US-08-565-386-6
23	86.5	6.1	420	2	US-08-282-197C-63
24	86.5	6.1	420	2	US-08-282-197C-66
25	86	6.1	1687	2	US-08-570-311-29
26	86	6.1	1704	3	US-08-336-308A-10
27	86	6.1	1704	3	US-08-822-324-6

28	86	6.1	1704	4	US-09-490-931-10	Sequence 10, Appl
29	84	5.9	1087	2	US-08-570-311-8	Sequence 8, Appl
30	84	5.9	1087	2	US-08-353-485-8	Sequence 8, Appl
31	84	5.9	1358	2	US-08-570-311-27	Sequence 27, Appl
32	83	5.9	1912	1	US-08-409-995-4	Sequence 4, Appl
33	83	5.9	1912	3	US-08-685-467-4	Sequence 4, Appl
34	83	5.9	2353	4	US-09-377-155-33	Sequence 4, Appl
35	83	5.9	2353	4	US-08-913-942-4	Sequence 33, Appl
36	83	5.9	2353	4	US-09-669-974-33	Sequence 33, Appl
37	83	5.9	2354	4	US-09-268-347-47	Sequence 33, Appl
38	83	5.9	2411	4	US-09-268-347-36	Sequence 36, Appl
39	82.5	5.8	1732	2	US-08-570-311-10	Sequence 10, Appl
40	82.5	5.8	1732	2	US-08-353-485-10	Sequence 10, Appl
41	81.5	5.7	704	3	US-08-792-832A-2	Sequence 2, Appl
42	80.5	5.7	517	2	US-08-967-508-19	Sequence 19, Appl
43	80.5	5.7	517	3	US-08-967-506-19	Sequence 19, Appl
44	80.5	5.7	517	5	PCT-US94-02552-19	Sequence 19, Appl
45	80.5	5.7	559	2	US-08-967-508-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 94.0%; Score 1333.5; DB 4; Length 263;
Best Local Similarity 95.4%; Pred. No. 4.5e-131;
Matches 251; Conservative 2; Mismatches 9; Indels 1; Gaps 1;

Qy	1	DDVTCASPTVIRVGRNGMRVDRDDFDHGNQIQIOLWPSKSNNDPNQLWTKRDGTIRS	60
Db	1	DDVTCASPTVIRVGRNGMCMVDVDRDDFDHGNQIQIOLWPSKSNNDPNQLWTKRDGTIRS	60
Qy	61	NGSCLTTYGTAGYVYVIMPCNTAVREATIWIQIWDNGTIIINPRSNLVLAASSGIKGTILT	120
Db	61	NGSCLTTYGTAGYVYVIMPCNTAVREATIWIQIWDNGTIIINPRSNLVLAASSGIKGTILT	120
Qy	121	VQTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNGSGVWVETCDSSQKQKWLAYGD	180
Db	121	VQTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNGSGVWVETCDSSQKQKWLAYGD	179
Qy	181	GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGORVFTNEGAILNLKGLAMVQAQ	240
Db	180	GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGORVFTNEGAILNLKGLAMVQAQ	239
Qy	241	NPKLRIIYPATGKNQWMLPV	263
Db	240	NPKLRIIYPATGKNQWMLPV	262

us-09-601-667c-7.rai

Sat Mar 22 10:41:42 2003

US-08-776-059-35

Query Match 94.0%; Score 1333.5; DB 4; Length 564;
 Best Local Similarity 95.4%; Pred. No. 1.4e-130;
 Matches 251; Conservative 2; Mismatches 9; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIVGRNGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTKRDGTIRS 60
 DB 302 DDVTCASEPTVRIVGRNGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTKRDGTIRS 361
 QY 61 NGSCLTITGYTAGVYVMI FDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTILT 120
 DB 362 NGSCLTITGYTAGVYVMI FDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTILT 421
 QY 121 VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLCMESNGGSGVWVETCVSSQKNO-RWALYGD 180
 DB 422 VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLCMESNGGSGVWVETCVSSQKNO-RWALYGD 480
 QY 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 DB 481 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA 540
 QY 241 NPKLRRIIYPATGKPNQMWLPV 263
 DB 541 NPKLRRIIYPATGKPNQMWLPV 563

RESULT 4

US-08-378-761A-77
 ; Sequence 77, Application US/08378761A
 ; Patent No. 5635384
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/378,761A
 ; FILING DATE: 26-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T.
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-378-761A-77

Query Match 55.3%; Score 783.5; DB 1; Length 540;
 Best Local Similarity 56.2%; Pred. No. 2.9e-73;
 Matches 146; Conservative 41; Mismatches 72; Indels 1; Gaps 1;

RESULT 2

US-08-776-059-33
 ; Sequence 33, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 33
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 ; US-08-776-059-33

Query Match 94.0%; Score 1333.5; DB 4; Length 264;
 Best Local Similarity 95.4%; Pred. No. 4.5e-131;
 Matches 251; Conservative 2; Mismatches 9; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIVGRNGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTKRDGTIRS 60
 DB 2 DDVTCASEPTVRIVGRNGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTKRDGTIRS 61
 QY 61 NGSCLTITGYTAGVYVMI FDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTILT 120
 DB 62 NGSCLTITGYTAGVYVMI FDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTILT 121
 QY 121 VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLCMESNGGSGVWVETCVSSQKNO-RWALYGD 180
 DB 122 VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLCMESNGGSGVWVETCVSSQKNO-RWALYGD 180
 QY 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 DB 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 QY 241 NPKLRRIIYPATGKPNQMWLPV 263
 DB 241 NPKLRRIIYPATGKPNQMWLPV 263

RESULT 3

US-08-776-059-35
 ; Sequence 35, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 35
 ; LENGTH: 564
 ; TYPE: PRT
 ; ORGANISM: Viscum album

QY 5 CSASEPTVIRIVGRNGMRVDRDDFDHGNQIQLWPKSKNNDPNOLWTIKRDGTIRNSGSC 64
Db 282 CNDPEPIVIRIVGRNGLCVDTGEEFFDGNPIQLWPKCKNTDWNQIWLKRDSTIRNSGKC 341
QY 65 LTTYGYTAGVYVMIFFDNTAVREATIWOIWDNGTIINPRSNLVLAASSGKGTTLTVQTL 124
Db 342 LTIKSSPQQVVIYNCSTATVGTATRWQIWDNRITINPRSGVLAAATSGNSGTCLTVQTN 401
QY 125 DYTLOGWLAGNDTAPREVTIYGFRLDCLMESNGSVVWVETCDSSOKNOGKWLADGGSIR 184
Db 402 IYAVSQGLPTNNTQPFVTTIYGLYGMCLQANSKWLWEDC-TSEKAEQOQWALYADGSIR 460
QY 185 PKONODCLTSGRDVSSTVINIVSCGASGSRWVFTNEGAILNLKNGIAMDVAQANPKL 244
Db 461 PQNRDNCULTDANIKGTIVVKILSCGPASSGQRMFKNDGTILNLYNGLVLDVRRSDPSL 520
QY 245 RRIIYPATGKPNQMLPVF 264
Db 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 5
US-08-485-286-77
; Sequence 77, Application US/08485286
; Patent No. 5646026
; Patent No. 5646026 5646119.
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,286
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/378761
; FILING DATE: 26-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 540 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-485-286-77

Query Match 55.3%; Score 783.5; DB 1; Length 540;
Best Local Similarity 56.2%; Pred. No. 2.9e-73;
Matches 146; Conservative 41; Mismatches 72; Indels 1; Gaps 1;

QY 5 CSASEPTVIRIVGRNGMRVDRDDFDHGNQIQLWPKSKNNDPNOLWTIKRDGTIRNSGSC 64
Db 282 CNDPEPIVIRIVGRNGLCVDTGEEFFDGNPIQLWPKCKNTDWNQIWLKRDSTIRNSGKC 341
QY 65 LTTYGYTAGVYVMIFFDNTAVREATIWOIWDNGTIINPRSNLVLAASSGKGTTLTVQTL 124
Db 342 LTIKSSPQQVVIYNCSTATVGTATRWQIWDNRITINPRSGVLAAATSGNSGTCLTVQTN 401
QY 125 DYTLOGWLAGNDTAPREVTIYGFRLDCLMESNGSVVWVETCDSSOKNOGKWLADGGSIR 184
Db 402 IYAVSQGLPTNNTQPFVTTIYGLYGMCLQANSKWLWEDC-TSEKAEQOQWALYADGSIR 460
QY 185 PKONODCLTSGRDVSSTVINIVSCGASGSRWVFTNEGAILNLKNGIAMDVAQANPKL 244
Db 461 PQNRDNCULTDANIKGTIVVKILSCGPASSGQRMFKNDGTILNLYNGLVLDVRRSDPSL 520
QY 245 RRIIYPATGKPNQMLPVF 264
Db 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 6
US-09-512-342-14
; Sequence 14, Application US/09512342
; Patent No. 6388068
; GENERAL INFORMATION:
; APPLICANT: SATOH, SHINOBU
; APPLICANT: MASUDA, SUSUMU
; TITLE OF INVENTION: METHOD FOR PRODUCING FOREIGN POLYPEPTIDE IN PLANT
; FILE REFERENCE: 081356/0142
; CURRENT APPLICATION NUMBER: US/09/512,342
; CURRENT FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 14
; LENGTH: 293
; TYPE: PRT
; ORGANISM: Cucumis sativus
US-09-512-342-14

Query Match 12.9%; Score 182.5; DB 4; Length 293;
Best Local Similarity 28.1%; Pred. No. 5.5e-11;
Matches 63; Conservative 31; Mismatches 91; Indels 39; Gaps 10;

QY 14 IVGRNGMRVDRDDFDHGNQIQLW-----PSK-----SNNDPNQLWTIKRDGTIR-- 59
Db 41 LVGRDGLCLEMSP-----WYKPAGINFPPTLSPCDEKKQTQLWTIVGDTIRPM 89
QY 60 SNGSCLTT---YGYTAGVYVMIFFDNTAVREATIWOIWDNGTIINPRSNLVLAASSGK 116
Db 90 NDKFCLAAAEVFGVIN--KAVVSECGKVPDNKKWTOKNDGTIALVDSRMVLTDGLDY-- 145
QY 117 TTLTVQTLDTYLOGWLAGNDTAPREVTIYGFRLDCLMESNGS--VWVETCDSSOKNOGK 174
Db 146 --VTLOSNNKYTPSQSWEVETSLNSMVANIEWLNLCIQLSTDDSHVGLNCNTDNKYQ-R 202
QY 175 WALYGDGSIIRPKONODCLTSGRDVSSTVINIVSCGASGSRW 218
Db 203 WALYADGTIRQHVNNKYLTSDDQDFGRFV--VVSCKEDKPPQQRW 244

RESULT 7
US-09-159-106-15
; Sequence 15, Application US/09159106
; Patent No. 6284509
; GENERAL INFORMATION:
; APPLICANT: Ferrer, Pau
; APPLICANT: Diers, Ivan
; APPLICANT: Halkier, Torben
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme with -1,3-Glucanase
; TITLE OF INVENTION: Activity

us-09-601-667c-7.ra1

Sat Mar 22 10:41:42 2003

```

; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match          9.6%; Score 136; DB 4; Length 132;
Best Local Similarity 36.3%; Pred. No. 1.2e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

QY 18 NGMRVDRDDFDHGNQIQWPSKSNNDPNQLWTIKRDGTIRNSGSLTTY--GYTAGVY 75
Db 14 NGMCVDVPWADPTDGNPQIVITCSGN--AAQWTIRGSDGTVALGKCLDVRDGSSTRGAA 71

QY 76 VMIFDCNTAVREATIQIW--DNGT--IINPRSNLVLAASSGI---KGTTLTVQTLDYTL 128
Db 72 VQVWTCN-----GTGAQKWAYDAGSKALRNPQSGLCCLDATGGAPLRDQGLQTLWTCNGTT 126

QY 129 GQGW 132
Db 127 AQQW 130

RESULT 8
US-09-159-106-11
; Sequence 11, Application US/09159106
; Patent No. 6284509
; GENERAL INFORMATION:
; APPLICANT: Ferrer, Pau
; APPLICANT: Diers, Ivan
; APPLICANT: Halkier, Torben
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
; TITLE OF INVENTION: Activity
; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match          9.6%; Score 136; DB 4; Length 435;
Best Local Similarity 36.3%; Pred. No. 6.9e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

QY 18 NGMRVDRDDFDHGNQIQWPSKSNNDPNQLWTIKRDGTIRNSGSLTTY--GYTAGVY 75
Db 317 NGMCVDVPWADPTDGNPQIVITCSGN--AAQWTIRGSDGTVALGKCLDVRDGSSTRGAA 374

QY 76 VMIFDCNTAVREATIQIW--DNGT--IINPRSNLVLAASSGI---KGTTLTVQTLDYTL 128
Db 375 VQVWTCN-----GTGAQKWAYDAGSKALRNPQSGLCCLDATGGAPLRDQGLQTLWTCNGTT 429

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QY 129 GQGW 132
Db 430 AQQW 433

RESULT 9
US-08-468-812-4
; Sequence 4, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lantinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-812-4

Query Match          8.8%; Score 124.5; DB 2; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00013;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;

QY 23 DVRRDDFDHGNQIQWPS---KSNNDPNQLWTIKRDGTIR---SNGSCLTTYGY----- 70
Db 168 DVVNEAFEDGNSGRCDNQLQRTGND-----WIEVAFRTARQGDPSAKLCYNDYNINWNA 223

QY 71 --TAGVVVMI-----FDCNTAVREATIQIWINGTIIINPRSNLVLAASSGIKGTTL 119
Db 224 AKTOAVVNMVDRFKSRGVPIDC-----VGFQSHFNSGPNPNFRTTLOQFAAL--GVDV 276

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QY 120 TVQTLDTLGGWLAGNDTAPRE-----VTIYGRD-----LC 152
Db 277 EVTELDI-----ENAPAQYASVIRDCIATVGVGRDSDSWSRYSQNPLL 326
QY 153 MESN-----GGSVWV-----ET 164
Db 327 FDNNGNKKQAYAVLDALNEGSDGGGPNPVPSPGGGQIRGVASNRCDIVPNGNT 386
QY 165 CDSQ-----KNQKVALYDGSIRPKQNDQCLTSGRDSVSTVINIVSCGASGS 215
Db 387 ADGTQVQLYDCHSGSNQ-QWTYSSGEFRFGN--KCLDAGSSNGAVVQIYSCWGA-N 442
QY 216 QRVVFTNEGAILNLKGLAMD-VAQANPKLRRIIYPATGKPNQMW 260
Db 443 QKWELRADGTIVGVQSLCLDAVGCGTGNGTRLQLYSCWGNQKW 488

RESULT 10
US-08-468-812-7
; Sequence 7, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50

US-08-468-812-7
Query Match 8.8%; Score 124.5; DB 2; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00013;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;
QY 23 DVRDDDFHDGNGIQIOWPS-----KSNNDPNQLWTIKRDGTIR-----SNGSCLTTYCY-----70
Db 168 DVNEAFEDGNSGRCDNLTQRTGND-----WIEVAFRTARQGDPSAKLCYNDYNIENWNA 223
QY 71 --TAGVYVMI-----FDCNTAVREATIWOIWDNGTTIINPRSNLVLAASSGIKGTTL 119
Db 224 AKTQAVYNNVDRDFKSRGVPIDC-----VGQSHFNSGNPNPNFRTTLOQFAAL-GVDV 276
QY 120 TVQTLDTLGGWLAGNDTAPRE-----VTIYGRD-----LC 152
Db 277 EVTELDI-----ENAPAQYASVIRDCIATVGVGRDSDSWSRYSQNPLL 326
QY 153 MESN-----GGSVWV-----ET 164
Db 327 FDNNGNKKQAYAVLDALNEGSDGGGPNPVPSPGGGQIRGVASNRCDIVPNGNT 386
QY 165 CDSQ-----KNQKVALYDGSIRPKQNDQCLTSGRDSVSTVINIVSCGASGS 215
Db 387 ADGTQVQLYDCHSGSNQ-QWTYSSGEFRFGN--KCLDAGSSNGAVVQIYSCWGA-N 442
QY 216 QRVVFTNEGAILNLKGLAMD-VAQANPKLRRIIYPATGKPNQMW 260
Db 443 QKWELRADGTIVGVQSLCLDAVGCGTGNGTRLQLYSCWGNQKW 488

RESULT 11
US-08-590-563-4
; Sequence 4, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536

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CLASSIFICATION: 536
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/468,812
  FILING DATE: 06-JUN-1995
  CLASSIFICATION: 536
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/332,412
  FILING DATE: 31-OCT-1994
  CLASSIFICATION: 536
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/282,001
  FILING DATE: 29-JUL-1994
  CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
  NAME: Bugalsky, Lawrence B.
  REGISTRATION NUMBER: 35,086
  REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 202-371-2600
  TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 7:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 492 amino acids
    TYPE: amino acid
    STRANDEDNESS: not relevant
    TOPOLOGY: linear
    MOLECULE TYPE: peptide
    POSITION IN GENOME:
      CHROMOSOME/SEGMENT: AM50
US-08-590-563-7

Query Match      8.8%; Score 124.5; DB 4; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00013;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps

QY 23 DVRDDDFHGHQIQLWPS---KSNNDPNQLWTIKRDGTIR---SNGSCLTTYGY----- 70
Db 168 DVVNEAFEDGNSGRECDNLRTGND-----MIEVAFRTARQGFSAKLCYNDYNIENWNA 223
QY 71 --TAGVYVMI-----FDCNTAVREATIWIQNDGTTINPRSNLVLAASSGKIGKTTL 119
Db 224 AKTQAYVNMVRDFKSRGVPIDC-----VGFQSHFNSGPNYPNFRFTLQOFAAL-GVDV 276
QY 120 TVOTLDYTLGGQWLGNDAITAPE-----VTIYGFRD-----LC 152
Db 277 EVTELDI-----ENAPACTVASIRDCLAVDRCTGITVNGVRDSDWSRSYQNPLL 326
QY 153 MESN-----GGSVWV-----ET 164
Db 327 FDNNGNKQAYYAVILDALNEGSDGGSPPNPVPPGGGSGQIRGVASNRICIDVPNGNT 386
QY 165 CDSGQ-----KNQGWALYGDGSIIPKQNOQCLTSGRDSYSTVINIVSCSGASGS 215
Db 387 ADGTQVQLYDCHSGSNQ-QWYTSYSGEPRIFGN--KCLDAGGSSNGAVVQIYSCWGGA-N 442
QY 216 QRWVFTNEGAILNKGGLAMD-VAQANPKLRRIIIIYPATGKPNQMW 260
Db 443 QKWELRADGTITGVQSGCLDLAVGGGTGNGTRQLYLSYSCWGGNNQKW 488

RESULT 13
US-08-468-812-5
; Sequence 5, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Birko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula

```

```

ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-590-563-4

Query Match      8.8%; Score 124.5; DB 4; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00013;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;

QY 23 DVRRDDFDHGNQIQLWPS---KSNNDPNQLMTIKRGTIR---SNGSCLITYGV--- 70
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 168 DVVNEAFEDGNGRRCDNSLQRTGND-----WIEVAFRTAQGGPSAKLCYNDYNINWNA 223
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 71 --TAGYVYVMI-----FDCNTAVREATTIQIWDNGTIIINPSNLVLAASSGIKGTTL 119
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 224 AKTQAVYNMVRDFKSRGVPIDC-----VGQSFHNSGNPNVNFRTTLQQFAAL-GVDV 276
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 120 TVQTLDTLTGQGWLAGNDTAPRE-----VTIYGRD-----LC 152
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 277 EVTELDI-----ENAPQATYASVIRDCIADVDRCTGITVWGVRDSDSWRSYQNPLL 326
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 153 MESN-----GGSVWV-----ET 164
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 327 FDNNGNKQAYAVLDALNEGSDGGSNPVPSPPGGSGGQIRGVASNRCIDVPNGNT 386
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 165 CDSGQ-----KQGKWALYGDGSIIPKONQOCLTSGRDSVSTVINIVCSGASGS 215
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 387 ADGTQVQLYDCHSGSNQ-QWYTTSSGEFRIFGN--KCLDAGSSNGAVVQIYSCWGA-N 442
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 216 QRWVFTNEGATLNLKGLAMD-VAQANPKLRIRIIYPATGKPNQMW 260
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 443 QRWELRADGTIVGQSGCLDADVGGTGTGTRQLQLYSCWGGNNQKW 448
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 12
US-08-590-563-7
Sequence 7, Application US/08590563
Patent No. 6300114
GENERAL INFORMATION:
APPLICANT: M nyl, Arja
APPLICANT: Vehmaanter, Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESSES:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/590,563
FILING DATE: 26-JAN-1996

```

;; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
;; TITLE OF INVENTION: of Use
;; NUMBER OF SEQUENCES: 25
;; CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington

STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Bugaisky, Larry B.
REGISTRATION NUMBER: 35,086

REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acids
TYPE: amino acid

STRANDEDNESS: not relevant
TOPOLOGY: linear

MOLECULE TYPE: peptide
POSITION IN GENOME:

CHROMOSOME/SEGMENT: AM50
US-08-468-812-5

Query Match 8.6%; Score 122.5; DB 2; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.0002;

Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;
QY 22 VDVRDDDFHDGNGIQLWPSSKNDPNQLWTIKRDGTIRSNGS-CLTTYGYTAGVYVWIFD 80

Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQWYTSSEGFIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIQWINDGTTINPRSNLVLAASSGIGKTTLTQ 122

Db 437 CWGGANQK--WELRADGTIVGVQSGLCGLDAVGGGTGNGTRLQ 476

RESULT 14

US-08-590-563-5

; Sequence 5, Application US/08590563
; Patent No. 6300114

; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja

; APPLICANT: Vehmaemper, Jari
; APPLICANT: Fagerstr m, Richard

; APPLICANT: Lantto, Raija
; APPLICANT: Palohimo, Marja

; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja

; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:
; ACTINOMADURA XYLANASE SEQUENCES AND METHODS

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600

CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.

ZIP: 20005
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/590,563

FILING DATE: 26-JAN-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/468,812
FILING DATE: 06-JUN-1995

CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994

CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086

REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acids
TYPE: amino acid

STRANDEDNESS: not relevant
TOPOLOGY: linear

MOLECULE TYPE: peptide
POSITION IN GENOME:

CHROMOSOME/SEGMENT: AM50
US-08-590-563-5

Query Match 8.6%; Score 122.5; DB 4; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.0002;

Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;
QY 22 VDVRDDDFHDGNGIQLWPSSKNDPNQLWTIKRDGTIRSNGS-CLTTYGYTAGVYVWIFD 80

Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQWYTSSEGFIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIQWINDGTTINPRSNLVLAASSGIGKTTLTQ 122

Db 437 CWGGANQK--WELRADGTIVGVQSGLCGLDAVGGGTGNGTRLQ 476

RESULT 15

US-08-468-812-8

; Sequence 8, Application US/08468812
; Patent No. 593636

; GENERAL INFORMATION:
; APPLICANT: Vehmaemper, Jari

; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard

; APPLICANT: Lantto, Raija
; APPLICANT: Palohimo, Marja

; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja

; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use

us-09-601-667c-7.ra1

Sat Mar 22 10:41:42 2003

NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: /US/08/468,812
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: US 08/468,812
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 491 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: M64551

US-08-468-812-8
Query Match 8.6%; Score 122.5; DB 2; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.00021;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;
QY 7 ASEP-----TVRIVGRNGMRVDRDDDFHGNQIQLWPSKSNNDPNQLWTIKRD 55
DB 354 SSEPPXXXXXADGQIKGVG-SGECLDVPDASTDGTQLQLWDCHSGT--NQQWAATDA 410
QY 56 GTIRNG-SCLTYGYTAGVYVIMFDCTAVREATIWIQWNGTIINPRSNLVLA--SS 112
DB 411 GELRVYGDRCCLDAAGTSNGSKVQIYSCWGDNQK--WRLNSDGSVGVQSGCLDAVNG 468
QY 113 GINGTILTVQTLDTLGGW 132
DB 469 TANGTLIQLYTCNSNGSNQW 488

Search completed: March 22, 2003, 09:59:42
Job time : 10.1481 secs

GenCore version 5.1.4.p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.27635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-8

Perfect score: 1414

Sequence: 1 DDVTCASAEPTVIRVGRSGM.....RRIIVPATGKNQMLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
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12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1300.5	92.0	263	10	US-09-347-064-10
2	1300.5	92.0	267	10	US-09-347-064-4
3	1268	11.9	145	12	US-10-074-527-5
4	120.5	8.5	135	9	US-09-973-457-5
5	120.5	8.5	135	12	US-10-074-527-6
6	119.5	8.5	491	10	US-09-770-621-8
7	116.5	8.2	480	10	US-09-770-621-5
8	116.5	8.2	492	10	US-09-770-621-4
9	116.5	8.2	492	10	US-09-770-621-7
10	90	6.4	1723	10	US-09-841-132-394
11	90	6.4	1723	10	US-09-841-132-395
12	88	6.2	295	10	US-09-815-242-11833
13	84	5.9	1781	9	US-09-995-749A-2
14	83.5	5.9	579	12	US-10-001-851-29
15	83	5.9	770	10	US-09-815-656-31
16	82	5.8	833	10	US-09-815-242-10951
17	82	5.8	2353	10	US-09-797-862-33
18	81.5	5.8	425	9	US-09-813-398-32
19	81	5.7	612	12	US-10-001-851-25

20	81	5.7	664	9	US-09-928-457-41	Sequence 41, Appl
21	81	5.7	833	9	US-09-928-457-40	Sequence 40, Appl
22	81	5.7	2771	9	US-09-808-602-82	Sequence 82, Appl
23	80	5.7	434	10	US-09-770-621-6	Sequence 6, Appl
24	79.5	5.6	559	12	US-10-001-851-23	Sequence 23, Appl
25	78.5	5.6	509	12	US-10-072-152-6	Sequence 6, Appl
26	78.5	5.6	608	10	US-09-924-358-8	Sequence 8, Appl
27	77.5	5.5	626	12	US-10-001-851-27	Sequence 27, Appl
28	77	5.4	543	9	US-09-993-525-6	Sequence 6, Appl
29	77	5.4	1737	9	US-09-808-602-83	Sequence 83, Appl
30	77	5.4	2724	9	US-09-808-602-13	Sequence 13, Appl
31	77	5.4	2733	9	US-09-808-602-8	Sequence 8, Appl
32	75.5	5.3	356	9	US-09-976-059-8	Sequence 18, Appl
33	75.5	5.3	435	9	US-10-000-512-18	Sequence 24, Appl
34	75.5	5.3	559	12	US-10-002-050-22	Sequence 22, Appl
35	75.5	5.3	624	9	US-10-002-304-22	Sequence 22, Appl
36	75.5	5.3	624	9	US-10-003-152-22	Sequence 22, Appl
37	75.5	5.3	624	12	US-09-765-272-86	Sequence 86, Appl
38	75.5	5.3	776	10	US-10-149-819-4	Sequence 4, Appl
39	75.5	5.3	833	9	US-09-888-358-3	Sequence 3, Appl
40	75	5.3	359	10	US-09-815-242-14042	Sequence 14042, A
41	75	5.3	1407	10	US-10-092-880-2	Sequence 2, Appl
42	74.5	5.3	1536	9	US-09-780-717-26	Sequence 26, Appl
43	74	5.2	207	10	US-09-738-626-4737	Sequence 4737, Ap
44	74	5.2	498	9	US-09-792-630-35	Sequence 35, Appl
45	74	5.2	672	9		

ALIGNMENTS

RESULT 1
US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; EARLIER FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-10

Query Match	92.0%	Score 1300.5;	DB 10;	Length 263;
Best Local Similarity	93.5%	Pred. No. 3.7e-116;		
Matches 246;	Conservative 4;	Mismatches 12;	Indels 1;	Gaps 1;
QY	1	DDVTCASAEPTVIRVGRSGMRVDRDDDFHDGNGIQIQLWPKSKNNDPNQLWTIKRDNTIIRS	60	
Db	1	DDVTCASAEPTVIRVGRSGMRVDRDDDFHDGNGIQIQLWPKSKNNDPNQLWTIKRDGHIIRS	60	
QY	61	NGSCLTITGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGKGTTLT	120	
Db	61	NGSCLTITGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGKGTTLT	120	
QY	121	VOTLDYTLGQGLAGNDTAPREVTIYGRDLCMESNGSVVWVETCDSSOKNOGKWAYLGD	180	
Db	121	VOTLDYTLGQGLAGNDTAPREVTIYGRDLCMESNGSVVWVETCDSSOKNOGKWAYLGD	179	

Sat Mar 22 10:41:47 2003

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QY 181 GSTRPKQNDQCLTVGRDVSSTVINIVSCGASGSGORWVFTNEVAILNLKSLGLAMDVAQA 240
Db 180 GSIRPKQNDQCLTVGRDVSSTVINIVSCGASGSGORWVFTNEGAILNLKSLGLAMDVAQA 239
QY 241 NPKLRIIIPATGKPNQMWLPV 263
Db 240 NPKLRIIIPATGKPNQMWLPV 262

RESULT 2
US-09-347-064-4
; Sequence 4, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-4

Query Match 92.0%; Score 1300.5; DB 10; Length 267;
Best Local Similarity 93.5%; Pred. No. 3.8e-116;
Matches 246; Conservative 4; Mismatches 12; Indels 1; Gaps 1;

QY 1 DDVTCASPTVRIIVGRSGMRVDRDDPHDGNQIQLPWPSKNNDPNQLWTIKRDNTIRS 60
Db 1 DDVTCASPTVRIIVGRSGMRVDRDDPHDGNQIQLPWPSKNNDPNQLWTIKRDNTIRS 60
QY 61 NGSLTYGTAGVYVIMFDCNTAVREATIWIQWNGTIINPRSNLVLAASSGKIGTTLT 120
Db 61 NGSLTYGTAGVYVIMFDCNTAVREATIWIQWNGTIINPRSNLVLAASSGKIGTTLT 120
QY 121 VQTLDTLGGWLAGNDTAPREVITYIGFRDLWCESNQSVMVETCDSSQKQKQWLYGD 180
Db 121 VQTLDTLGGWLAGNDTAPREVITYIGFRDLWCESNQSVMVETCDSSQKQKQWLYGD 179
QY 181 GSIRPKQNDQCLTVGRDVSSTVINIVSCGASGSGORWVFTNEVAILNLKSLGLAMDVAQA 240
Db 180 GSIRPKQNDQCLTVGRDVSSTVINIVSCGASGSGORWVFTNEGAILNLKSLGLAMDVAQA 239
QY 241 NPKLRIIIPATGKPNQMWLPV 263
Db 240 NPKLRIIIPATGKPNQMWLPV 262

RESULT 3
US-10-074-527-5
; Sequence 5, Application US/10074527
; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Meyers, Rachel B.
; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: MFI2001-0181RCP1(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
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; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
US-10-074-527-5

Query Match 11.9%; Score 168; DB 12; Length 145;
Best Local Similarity 32.8%; Pred. No. 1e-08;
Matches 45; Conservative 19; Mismatches 59; Indels 14; Gaps 4;

QY 11 TVRIVGRSGMRVDRDDPHDGNQIQLPWPSKNNDPNQLWTI---KRDNTIRS---NGSC 64
Db 7 TILVNGSGRCLDVNSSESSESGNQVQWLNCHSNPGKNQKWSLTYSDESGEIRSVVNNDKC 66
QY 65 LTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIINP-----RSNLVL--AASSGKIG 116
Db 67 LTVNANSPGSEVKLYQDSATSQNSQKWLNNDLGNKILLNLVNTGLVLDVKGSDTQNG 126
QY 117 TTLTVQTLDTYTLGGWGL 133
Db 127 TKLILYTCSGGRNQWL 143

RESULT 4
US-09-973-457-5
; Sequence 5, Application US/09973457
; Patent No. US20020164746A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: 47174, A NOVEL HUMAN GLYCOSYLTRANSFERASE
; FILE REFERENCE: 10448-099001
; CURRENT APPLICATION NUMBER: US/09/973,457
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/238,849
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence
US-09-973-457-5

Query Match 8.5%; Score 120.5; DB 9; Length 135;
Best Local Similarity 29.1%; Pred. No. 0.00031;
Matches 41; Conservative 19; Mismatches 60; Indels 21; Gaps 8;

QY 14 IVGRSGMRVDV--RDDPHDGNQIQLPWPSKNNDPNQLWTI---KRDNTIRSNGS-CLTT 67
Db 7 IGGNTGLCLDVNGNSSEKSDGNPQVQWLDCHGGG--NQLWKLTYNESDGAIRINSDCLTV 64
QY 68 YGYTAGVYVIMFDCNTAVR--EATTIWIQWNGTIINPRSNLVLAASSGKIGTTLTVQTL 125
Db 65 NG-----TVTLYSCDGTGKNDNQKWEVKNKDGITIRNPK-NSKKGYDSG-----LCLDVKD 113
QY 126 YTLGGWLAGNDTAPREVITY 146
Db 114 GNKVQLWTCNGSDAPNQKWF 134

RESULT 5
US-10-074-527-6
; Sequence 6, Application US/10074527
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/ Patent No. US20020142426A1
/ GENERAL INFORMATION:
/ APPLICANT: Olandt, Peter J.
/ APPLICANT: Meyers, Rachel E.
/ APPLICANT: Galvin, Katherine A.
/ TITLE OF INVENTION: 33945 A Human Glycosyltransferase and
/ FILE OF INVENTION: Uses Therefor
/ CURRENT APPLICATION NUMBER: US/10/074,527
/ PRIOR FILING DATE: 2002-02-12
/ PRIOR APPLICATION NUMBER: 60/269202
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 135
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: consensus
US-10-074-527-6

Query Match      8.5%; Score 120.5; DB 12; Length 135;
Best Local Similarity 29.1%; Pred. No. 0.00031;
Matches 41; Conservative 19; Mismatches 60; Indels 21; Gaps 8;

QY 14 IVGRSGMRVDV--RDDDFHGNQIQWLPSKSNNDPNQLWTI---KRDNTIRNGS-CLTT 67
Db 7 IGGNTGLCLDVNGNSEKSDGNPQVLDWCHGG--NQLWKLTYNESDGAIRNSDCLTV 64

QY 68 YGYTAGVYVIFDONTAVR--EATIQIWDNGTIINPRSNLVLAASSGKGTTLTVQIILD 125
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QY 126 YTLQOGLWAGNDTAPREVTIY 146
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RESULT 6
US-09-770-621-8
/ Sequence 8, Application US/09770621
/ Patent No. US20010024815A1
/ GENERAL INFORMATION:
/ APPLICANT: M ntyl , Arja
/ APPLICANT: Vehmaanper , Jari
/ APPLICANT: Fagerstr m, Richard
/ APPLICANT: Lantto, Raija
/ APPLICANT: Paloheimo, Marja
/ APPLICANT: Suominen, Pirkko
/ APPLICANT: Lahtinen, Tarja
/ TITLE OF INVENTION: Production and Secretion of Proteins of
/ NUMBER OF SEQUENCES: 39
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
/ STREET: 1100 New York Ave., N.W. Suite 600
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/770,621
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/590,563
/ FILING DATE:
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/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/332,412
/ FILING DATE: 31-OCT-1994
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/282,001
/ FILING DATE: 29-JUL-1994
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Bugaisky, Lawrence B.
/ REGISTRATION NUMBER: 35,086
/ REFERENCE/DOCKET NUMBER: 1050.0340003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-371-2600
/ TELEFAX: 202-371-2540
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 491 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: No. US20010024815A1 Relevant
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ POSITION IN GENOME:
/ CHROMOSOME/SEGMENT: M64551
US-09-770-621-8

Query Match      8.5%; Score 119.5; DB 10; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.0021;
Matches 40; Conservative 19; Mismatches 62; Indels 19; Gaps 6;

QY 7 ASBP-----TVRIVGRSGMRVDVDDDFHGNQIQWLPSKSNNDPNQLWTIKRD 55
Db 354 SSEPXXXXXXADGGQIKGVG--SGRLDVPDASTSDGTQLQWLDCHSGT--NQQAATDA 410

QY 56 NTIRNG-SCLTTYGYTAGVYVIFDONTAVREATIWIQIWDNGTIINPRSNLVLAA--SS 112
Db 411 GELRVYGDRLDAAAGTSGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDAVNG 468

QY 113 GIKGTTLTVTQTLDTLGGQW 132
Db 469 TANGTLIQLYTCNSNGSNQRW 488

RESULT 7
US-09-770-621-5
/ Sequence 5, Application US/09770621
/ Patent No. US20010024815A1
/ GENERAL INFORMATION:
/ APPLICANT: M ntyl , Arja
/ APPLICANT: Vehmaanper , Jari
/ APPLICANT: Fagerstr m, Richard
/ APPLICANT: Lantto, Raija
/ APPLICANT: Paloheimo, Marja
/ APPLICANT: Suominen, Pirkko
/ APPLICANT: Lahtinen, Tarja
/ TITLE OF INVENTION: Production and Secretion of Proteins of
/ NUMBER OF SEQUENCES: 39
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
/ STREET: 1100 New York Ave., N.W. Suite 600
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/770,621
/ FILING DATE:
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-770-621-4

Query Match 8.2%; Score 116.5; DB 10; Length 492;
Best Local Similarity 31.4%; Pred. No. 0.0041;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VDVRRDDFDHGNQQLWPSKSNNDPNQLWTIKRDNITRSNGS-CUTTYGYTAGYVVMIFD 80
DB 379 IDVPNGNTADGTQQLDYDCHSGS--NQQWYTSSEGFIFGNKCLDAGGSGNGAVVQIYS 436

QY 81 CNTAVREATIWOINDNGTIIIPRSNLVLAASSG1KGTTLTVQ 122
DB 437 CWGGANQK--WELRADGTIVGVOSGICLDVAGGTGNGTFLQ 476

RESULT 9
US-09-770-621-7
Sequence 7, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M ntyl , Arja
APPLICANT: Vehmaanper , Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Birko
APPLICANT: Luhtinen, Raija
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563

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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-5
Query Match 8.2%; Score 116.5; DB 10; Length 480;
Best Local Similarity 31.4%; Pred. No. 0.0039;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VDVRDDFDHGNQIQIWFPSKNNDPNQIWTIKRDNIRSNGS-CLTTYGYTAGVYVMIFD 80
DB 379 IDVPGNTAGDTQVQIYDCHSGS--NQOWTTSSEGFIFGNKCLDAGGSSGAVVQIYS 436

QY 81 CNTAVREATIWOIWDNGTIIINPRSNLVLAASSGIKGTTLVQ 122
DB 437 CWGGAQNK-WELRADGTIVGVQSGLCILDVAGGGTGNGTRLQ 476

RESULT 8
US-09-770-621-4
Sequence 4, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M atyl, Arja
APPLICANT: Vehmaanper, Jari
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:

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FILING DATE: 29-JUL-1994
CLASSIFICATION: 08/332,412
PRIORITY APPLICATION DATA: 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 08/332,412
PRIORITY APPLICATION DATA: 08/332,412
FILING DATE: 29-JUL-1994
CLASSIFICATION: 08/332,412
ATTORNEY/AGENT INFORMATION: 08/332,412
NAME: Bugalsky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION: 1050.0340003
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
STRANDEDNESS: NO. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-7

Query Match 8.2%; Score 116.5; DB 10; Length 492;
Best Local Similarity 31.4%; Pred. No. 0.0041;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;
QY 22 VVRRDDPHDQNLQIQLWPSKNDPNQIWKIKRDNIRNGS-CLTYGYTGVYVIMFD 80
DB 379 IDVNGNTADGTQVLYDCHSGS--NQWYTSSEGFRIFGNKKCLDAGGSSNGAVVQIYS 436
QY 81 CNTAVRATVQIWDNNTIIPRNLVLAASSGKGTTLTVQ 122
DB 437 CWGANOK--WELRADGTIVGVQSLCLDAVGGTNGIRLQ 476

RESULT 10
US-09-841-132-394
; Sequence 394, Application US/09841132
; Patent No. US20020061848A1
; GENERAL INFORMATION:
; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 394
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-394

Query Match 5.4%; Score 90; DB 10; Length 1723;
Best Local Similarity 22.2%; Pred. No. 7.1;
Matches 61; Conservative 32; Mismatches 86; Indels 96; Gaps 10;
QY 51 TIKRDNIRNGSCLTYGYT--AGVYVIMFDNTA-----VREATIWIQW---- 96
DB 223 TPTGNSQKSGGAAYTEGALTQAIVEAVTGTNTSAGOGGAIYVKEATLFDLNSLKFE 282
QY 97 -----GTIIPRNLVL-----AASSGKGTTLTVQ 123
DB 283 KNTSGAGGGIYTESTLTISNITSIEFISNKASVPAPAPPTSPAPSSLTIDTST 342

QY 124 L-----DYTLGGWLAGNDTAPREVTIYGFRLDLCMESNOGS 159
DB 343 LQTRAASATPAVAPVAAVTPPTISTQETAGNG---GAIYAKQGISISTFKDLTFKNSAS 399
QY 160 VVVE--TCDSSQKNQKALYDGSIRPKQNDQCL-----TVGRDSVSTVI 204
DB 400 VDATLTVDSSSTIGSGGAIFAADSIQOCTGTTLFSGNTANKSGGGIYAVGVQVTLEDIA 459
QY 205 NIV-----SCSGASG---SORWVFTNEYAILNLKSG 232
DB 460 NLKMTNNTCKEGGAIYTKKALTINNGAILTTFSG 494

RESULT 11
US-09-841-132-395
; Sequence 395, Application US/09841132
; Patent No. US20020061848A1
; GENERAL INFORMATION:
; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

Query Match 6.4%; Score 90; DB 10; Length 1723;
Best Local Similarity 22.2%; Pred. No. 7.1;
Matches 61; Conservative 32; Mismatches 86; Indels 96; Gaps 10;
QY 51 TIKRDNIRNGSCLTYGYT--AGVYVIMFDNTA-----VREATIWIQW---- 96
DB 223 TPTGNSQKSGGAAYTEGALTQAIVEAVTGTNTSAGOGGAIYVKEATLFDLNSLKFE 282
QY 97 -----GTIIPRNLVL-----AASSGKGTTLTVQ 123
DB 283 KNTSGAGGGIYTESTLTISNITSIEFISNKASVPAPAPPTSPAPSSLTIDTST 342
QY 124 L-----DYTLGGWLAGNDTAPREVTIYGFRLDLCMESNOGS 159
DB 343 LQTRAASATPAVAPVAAVTPPTISTQETAGNG---GAIYAKQGISISTFKDLTFKNSAS 399
QY 160 VVVE--TCDSSQKNQKALYDGSIRPKQNDQCL-----TVGRDSVSTVI 204
DB 400 VDATLTVDSSSTIGSGGAIFAADSIQOCTGTTLFSGNTANKSGGGIYAVGVQVTLEDIA 459
QY 205 NIV-----SCSGASG---SORWVFTNEYAILNLKSG 232
DB 460 NLKMTNNTCKEGGAIYTKKALTINNGAILTTFSG 494

RESULT 12
US-09-815-242-11833
; Sequence 11833, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard

Query Match 5.9%; Score 84; DB 9; Length 1781;

Best Local Similarity 20.8%; Pred. No. 27;

Matches 59; Conservative 40; Mismatches 123; Indels 62; Gaps 11;

2 DVTCSASEPTVRIV-----GRSGMRVDVRD-----DFHDGNOIQWLWPSKSNNDPNQW 50

175 DVNNVAVPDVKNVHVNADNSGFDVNVNIDFSKMKDYRD--SIEIVSRVSGNGKSDVM 232

51 TIKRDNITIRSGCLTGYTAGV-----YVMIFDCNTAVREATIQQ 92

233 WSQPIITFDKNNYAYLDTFEVKNGELHATGNATNSAINVNHFFVILFD-OTNGKEVARQE 291

93 IWDNGT---IINPRSNLVAASGKGTTLTVQTLDTY-----LGQG----- 131

292 VREGQSRPDVAKVYPQVGAANSFG-NVTFNISLDLYTHQVQVLSRYNSNDGEGDNTVY 350

132 WLAGNDTAPREVTIYGFRLCMESNGSVWV---ETCDSQKQKQWALYGDGSIIRPKON 188

351 WFNQSIAPANQSNQGYLDSFDISKNGEVTVTGNATDLSLQNNHYVILFDQTAGKQVA 410

189 QDOCLTVGRDSVSTVINIVSCSGASGSRQWVFTNEVAILNLKSG 232

411 SAKADLISRPDVAKAYPTVKTATNSG-----FKVTFKVNVLQPG 449

US-09-815-242-11833

Query Match 6.2%; Score 88; DB 10; Length 295;

Best Local Similarity 20.2%; Pred. No. 1.1;

Matches 47; Conservative 31; Mismatches 91; Indels 64; Gaps 8;

2 DVTCSASEPTVRIVGRSGMRVDVRD-----DFHDGNOIQWLWPSKSNNDPNQW 61

37 DVNAAALEETROLLASSGVSVSTAVDVADREQVQAWADKAASEHG-----RVNLIFFN 90

62 GSCL---TIVGYTAGVYVIFDCNTAVREATIQQIWD-----NGTIINPRSN 105

91 AGVAHAGTVREGSDYSYEWIMIN-----FWGVNGTKAFLPHLKASGNHVVNVSSV 143

106 LVLAASSGKGTTLTVQTLDTYTLGQWLAGNDTAPREVTIYGF-----RDLCMES----- 155

144 FGLFAPQPMAYNAT-----KYAVRGFTESLRQELDMEDSGVSA 182

156 ---NOGSVWVETDSSQKQKQWALYGDGSIIRPK-QNDOCLTVGRDSVSTVI 204

183 SCVHPGGIKTNIARTARMNESMAKVTGQAPDKAREQFNDQLRTTPKAAQVI 235

US-09-995-749A-2

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-815-656-31

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-995-749A-2

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

Query Match 5.9%; Score 84; DB 9; Length 1781;

Best Local Similarity 20.8%; Pred. No. 27;

Matches 59; Conservative 40; Mismatches 123; Indels 62; Gaps 11;

2 DVTCSASEPTVRIV-----GRSGMRVDVRD-----DFHDGNOIQWLWPSKSNNDPNQW 50

175 DVNNVAVPDVKNVHVNADNSGFDVNVNIDFSKMKDYRD--SIEIVSRVSGNGKSDVM 232

51 TIKRDNITIRSGCLTGYTAGV-----YVMIFDCNTAVREATIQQ 92

233 WSQPIITFDKNNYAYLDTFEVKNGELHATGNATNSAINVNHFFVILFD-OTNGKEVARQE 291

93 IWDNGT---IINPRSNLVAASGKGTTLTVQTLDTY-----LGQG----- 131

292 VREGQSRPDVAKVYPQVGAANSFG-NVTFNISLDLYTHQVQVLSRYNSNDGEGDNTVY 350

132 WLAGNDTAPREVTIYGFRLCMESNGSVWV---ETCDSQKQKQWALYGDGSIIRPKON 188

351 WFNQSIAPANQSNQGYLDSFDISKNGEVTVTGNATDLSLQNNHYVILFDQTAGKQVA 410

189 QDOCLTVGRDSVSTVINIVSCSGASGSRQWVFTNEVAILNLKSG 232

411 SAKADLISRPDVAKAYPTVKTATNSG-----FKVTFKVNVLQPG 449

US-10-001-851-29

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-815-656-31

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-995-749A-2

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-995-749A-2

Query Match 5.9%; Score 83.5; DB 12; Length 579;

Best Local Similarity 22.7%; Pred. No. 7;

Matches 35; Conservative 23; Mismatches 49; Indels 47; Gaps 6;

114 IKGTTTLTVQTL-----DYTLGQWLAGNDTAPREVTIYGFRLCMESNGQSVVWVETCDS 167

458 VSGTRMCTDTLQREDKMSQLLVGHCHQKSGSPQLMSL-----SKEGNLRRENTCA 508

168 SOKNOGKQWALYGDGSIIRPKONQDOCLTVGRDSVSTVINIVSCS-CASGSRQWVFTNEVAI 226

509 SEEN-----GNIRMK-----TCSKKAQFNERWAYENK-MI 537

227 LNLKSGGLAMDVAQANPKLRRIIIVPATGKQNMW 260

538 RNLKSGKCMSTANLKPQDINAIVVECEKDEKHEQKM 571

US-09-995-749A-2

Query Match 5.9%; Score 83.5; DB 12; Length 579;

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; APPLICANT: Simons, John
; APPLICANT: Birkenmeyer, Larry
; APPLICANT: Muerhoff, Scott
; APPLICANT: Pilot-Matias, Tami
; APPLICANT: Desai, Suresh
; APPLICANT: Mushahwar, Isa
; TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
; FILE REFERENCE: 6461 US 01
; CURRENT APPLICATION NUMBER: US/09/815,656
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 09/245,248
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-815-656-31

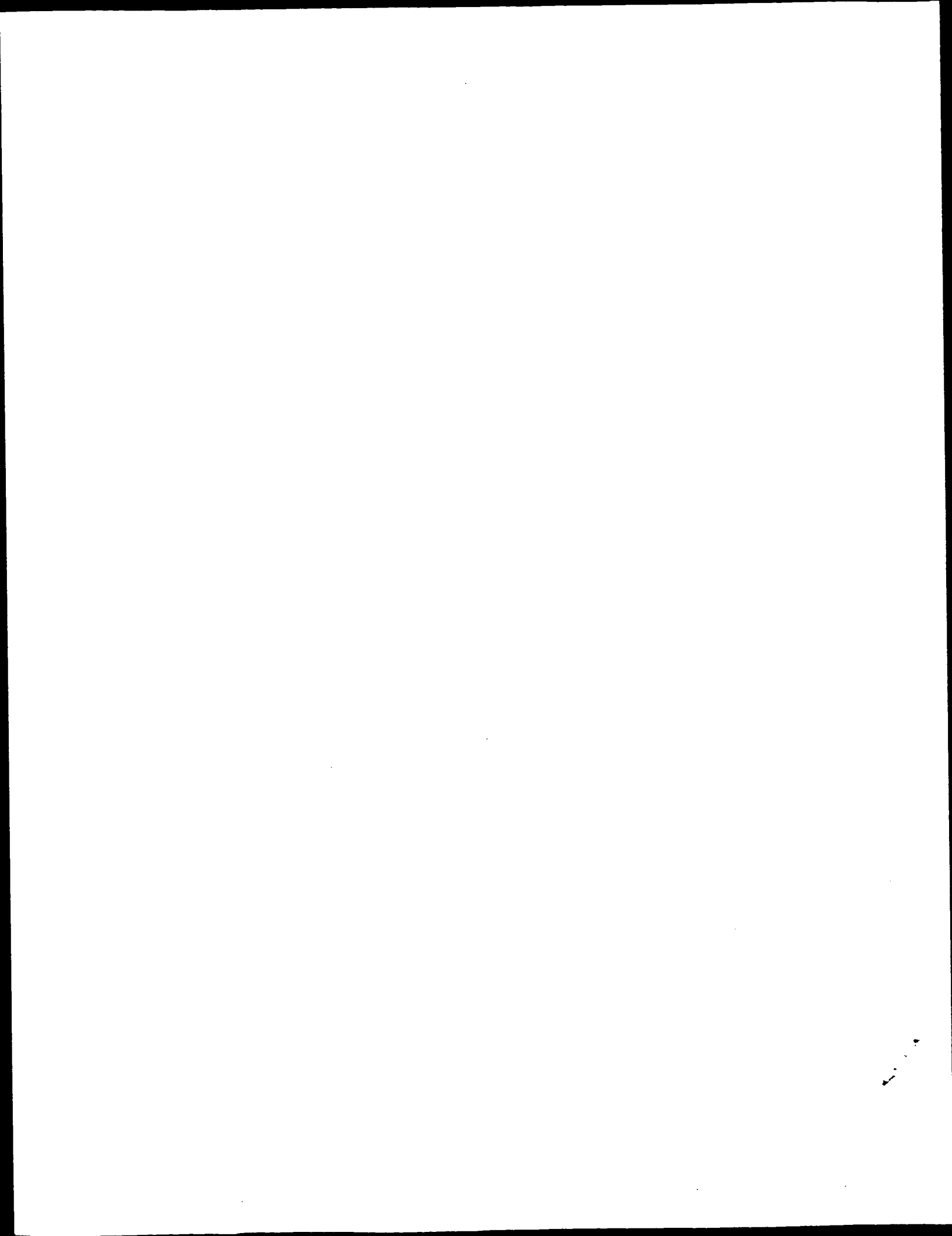
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QY 108 LAASSGIGTTLTVQTLDTLGG-----WLAGNDT---APREVTIYGRDLCMESNQ 157
Db 386 SKATKAVLGNFTT--TEDYTLGHGGLYSSIWLSPGRSYFETPGAYTDIKYNPFTDRGEG 443

QY 158 GSVWVETCDSSQKQCK-----W-ALYGDGSIIRPKQNDQ 191
Db 444 NMLWIDWLSKKNWYDKVQSKCLISDLPLWAAAYVEFCAKSTGDQ 490

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Job time : 12.2764 secs
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GenCore version 5.1.4 p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-8
Perfect score: 1414
Sequence: 1 DDVTCASPTVIRVGRSGM.....RRIIYPATGKPNQWLPVF 264

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	ID	Description
1	1300.5	92.0	263	4	US-08-776-059-43	Sequence 43, Appl
2	1300.5	92.0	264	4	US-08-776-059-33	Sequence 33, Appl
3	1300.5	92.0	564	4	US-08-776-059-35	Sequence 35, Appl
4	764.5	54.1	540	1	US-08-378-761A-77	Sequence 77, Appl
5	764.5	54.1	540	1	US-08-485-286-77	Sequence 77, Appl
6	179	12.7	293	4	US-09-512-342-14	Sequence 14, Appl
7	125	8.8	132	4	US-09-159-106-15	Sequence 15, Appl
8	125	8.8	435	4	US-09-159-106-11	Sequence 11, Appl
9	119.5	8.5	491	2	US-08-468-812-8	Sequence 8, Appl
10	119.5	8.5	491	4	US-08-590-563-8	Sequence 8, Appl
11	119	8.4	127	1	US-08-392-828C-39	Sequence 39, Appl
12	119	8.4	127	3	US-09-330-945-39	Sequence 39, Appl
13	116.5	8.2	480	2	US-08-468-812-5	Sequence 5, Appl
14	116.5	8.2	480	4	US-08-590-563-5	Sequence 5, Appl
15	116.5	8.2	492	2	US-08-468-812-4	Sequence 4, Appl
16	116.5	8.2	492	2	US-08-468-812-7	Sequence 7, Appl
17	116.5	8.2	492	4	US-08-590-563-4	Sequence 4, Appl
18	116.5	8.2	492	4	US-08-590-563-7	Sequence 7, Appl
19	112.5	8.0	507	4	US-09-130-337A-25	Sequence 25, Appl
20	88	6.2	453	4	US-09-230-225B-4	Sequence 4, Appl
21	85	6.0	500	6	5171684-2	Patent No. 5171684
22	83.5	5.9	420	2	US-08-282-197C-63	Sequence 63, Appl
23	83.5	5.9	420	2	US-08-282-197C-66	Sequence 66, Appl
24	83	5.9	770	4	US-09-245-248B-31	Sequence 31, Appl
25	83	5.9	2314	4	US-09-268-347-49	Sequence 49, Appl
26	82.5	5.8	419	2	US-08-282-197C-64	Sequence 64, Appl
27	82.5	5.8	419	2	US-08-282-197C-67	Sequence 67, Appl

28	82	5.8	820	4	US-09-313-677-21	Sequence 21, Appl
29	82	5.8	926	4	US-09-313-677-2	Sequence 2, Appl
30	82	5.8	933	4	US-09-313-677-19	Sequence 19, Appl
31	82	5.8	967	4	US-09-313-677-17	Sequence 17, Appl
32	82	5.8	1912	1	US-08-409-995-4	Sequence 4, Appl
33	82	5.8	1912	3	US-08-685-487-4	Sequence 4, Appl
34	82	5.8	2353	4	US-09-377-155-33	Sequence 33, Appl
35	82	5.8	2353	4	US-08-913-942-4	Sequence 4, Appl
36	82	5.8	2353	4	US-09-669-974-33	Sequence 33, Appl
37	82	5.8	2354	4	US-09-268-347-47	Sequence 47, Appl
38	82	5.8	2411	4	US-09-268-347-36	Sequence 36, Appl
39	81.5	5.8	424	1	US-08-247-908A-11	Sequence 11, Appl
40	81.5	5.8	424	1	US-08-453-942-11	Sequence 11, Appl
41	81.5	5.8	424	2	US-08-926-885A-11	Sequence 11, Appl
42	81.5	5.8	424	5	PCT-US94-05290-11	Sequence 11, Appl
43	80	5.7	434	2	US-08-468-812-6	Sequence 6, Appl
44	80	5.7	434	4	US-08-590-563-6	Sequence 6, Appl
45	79.5	5.6	342	4	US-09-129-033-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 92.0%; Score 1300.5; DB 4; Length 263;
Best Local Similarity 93.5%; Pred. No. 1.3e-123;
Matches 246; Conservative 4; Mismatches 12; Indels 1; Gaps 1;

QY	1	DDVTCASPTVIRVGRSGMVRDDDFHDGNGIQQLWPSKNNNDPNQLWTIKRDTIRS	60
Db	1	DDVTCASPTVIRVGRSGMVRDDDFHDGNGIQQLWPSKNNNDPNQLWTIKRDTIRS	60
QY	61	NGSCLTYYGTAGVYVMIIFDCNTAVREATIWOIWDNGTIINPRSNLVAASSGIGTTLT	120
Db	61	NGSCLTYYGTAGVYVMIIFDCNTAVREATIWOIWDNGTIINPRSNLVAASSGIGTTLT	120
QY	121	VQTLDTLGGWLAGNDTAPREVITYGFRDLCSNQSQSVVETCDSSQKQKQWALYGD	180
Db	121	VQTLDTLGGWLAGNDTAPREVITYGFRDLCSNQSQSVVETCDSSQKQKQWALYGD	179
QY	181	GSIRPKQNDQCLTVGRDSVSTVINIVSCSAGSGQRVFTNEVAILNKLKGLAMDAQA	240
Db	180	GSIRPKQNDQCLTVGRDSVSTVINIVSCSAGSGQRVFTNEVAILNKLKGLAMDAQA	239
QY	241	NPKLRRIIYPATGKPNQWLPVF	263
Db	240	NPKLRRIIYPATGKPNQWLPVF	262

US-08-776-059-35

Query Match 92.0%; Score 1300.5; DB 4; Length 564;
 Best Local Similarity 93.5%; Pred. No. 3.8e-123;
 Matches 246; Conservative 4; Mismatches 12; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIIVGRSGMRVDRDDDFHGNQIQLWPSKSNNDPNQLWTIKRDNTIRS 60
 DB 302 DDVTCASEPTVRIIVGRSGMRVDRDDDFHGNQIQLWPSKSNNDPNQLWTIKRDNTIRS 361
 QY 61 NGSLTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTTLT 120
 DB 362 NGSLTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTTLT 421
 QY 121 VOTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNOGSVWVETCDSSQKQKQWALYGD 180
 DB 422 VOTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNOGSVWVETCDSSQKQKQWALYGD 480
 QY 181 GSIRPKQNDQCLTVGRDSVSTVINIVSCGASGSGQRWVFTNEYAILNLKSLGLAMDVAQA 240
 DB 481 GSIRPKQNDQCLTVGRDSVSTVINIVSCGASGSGQRWVFTNEYAILNLKSLGLAMDVAQA 540
 QY 241 NPKLRRIIYPATGKPNQWMLPV 263
 DB 541 NPKLRRIIYPATGKPNQWMLPV 563

RESULT 4

US-08-378-761A-77
 ; Sequence 77, Application US/08378761A

; Patent No. 5635384

; GENERAL INFORMATION:

; APPLICANT: WALSH, TERENCE A

; APPLICANT: HEY, TIMOTHY D

; APPLICANT: MORGAN, ALICE ER

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF

; NUMBER OF SEQUENCES: 81

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ANDREA T. BORUCKI

; STREET: 9330 ZIONSVILLE ROAD

; CITY: INDIANAPOLIS

; STATE: IN

; COUNTRY: US

; ZIP: 46268

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/378,761A

; FILING DATE: 26-JAN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: BORUCKI, ANDREA T

; REGISTRATION NUMBER: 33651

; REFERENCE/DOCKET NUMBER: 38272B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (317) 337-4846

; INFORMATION FOR SEQ ID NO: 77:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 540 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-378-761A-77

Query Match 54.1%; Score 764.5; DB 1; Length 540;

Best Local Similarity 55.0%; Pred. No. 5.6e-69;

Matches 143; Conservative 43; Mismatches 73; Indels 1; Gaps 1;

Query Match 92.0%; Score 1300.5; DB 4; Length 264;

Best Local Similarity 93.5%; Pred. No. 1.3e-123;

Matches 246; Conservative 4; Mismatches 12; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIIVGRSGMRVDRDDDFHGNQIQLWPSKSNNDPNQLWTIKRDNTIRS 60

DB 2 DDVTCASEPTVRIIVGRSGMRVDRDDDFHGNQIQLWPSKSNNDPNQLWTIKRDNTIRS 61

QY 61 NGSLTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTTLT 120

DB 62 NGSLTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKGTTLT 121

QY 121 VOTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNOGSVWVETCDSSQKQKQWALYGD 180

DB 122 VOTLDYTLGGWLAGNDTAPREVTIYGFRLDCMESNOGSVWVETCDSSQKQKQWALYGD 180

QY 181 GSIRPKQNDQCLTVGRDSVSTVINIVSCGASGSGQRWVFTNEYAILNLKSLGLAMDVAQA 240

DB 181 GSIRPKQNDQCLTVGRDSVSTVINIVSCGASGSGQRWVFTNEYAILNLKSLGLAMDVAQA 240

QY 241 NPKLRRIIYPATGKPNQWMLPV 263

DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 3

US-08-776-059-35

; Sequence 35, Application US/08776059B

; Patent No. 6271368

; GENERAL INFORMATION:

; APPLICANT: LENTZEN, Hans

; APPLICANT: ECK, Jurgen

; APPLICANT: BAUR, Axel

; APPLICANT: ZINKE, Holger

; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)

; FILE REFERENCE: 674503-2003

; CURRENT APPLICATION NUMBER: US/08/776,059B

; CURRENT FILING DATE: 1999-06-19

; EARLIER APPLICATION NUMBER: PCT/EP96/02273

; EARLIER FILING DATE: 1996-06-25

; EARLIER APPLICATION NUMBER: 95109949.8

; EARLIER FILING DATE: 1995-06-26

; NUMBER OF SEQ ID NOS: 56

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 35

; LENGTH: 564

; TYPE: PRT

; ORGANISM: Viscum album

QY 5 CSASEPTVIRVSGMRVDRDDFDHGNQIOLWPSKSNNDPNQNLWTIKRDNTRSGSC 64
 Db 282 CWDPEPIVIRVGRNGLCVDVTGEFFDGNPIQLWPCSKSNNDPNQNLWTIKRDNTRSGSC 341
 QY 65 LTTYGYTAGVYVIMFDNCNTAVREATIWOIWDNGTTINPRSNVLAASSGIGKGTTLTVQTL 124
 Db 342 LTISKSPROQVVIYNCSTATVATRWQIWDNRTIINPRSGVLVAATSGNSGKLTVTQTN 401
 QY 125 DYTILGQWLAGNDTAPREVTIYGFRLCMESNOGQSVWVETCDSSOKNOGKWLXGDSIR 184
 Db 402 IYAVSQWLPNTNTPFVTTIYGLYGMCLQANSKGVWLEDC-TSEKABQQWALYADGSIR 460
 QY 185 PKNQDQCLTVGRDSVSTVINIVSCSGASGQSVWVFTNEYAILNLKSLAMDVAQANPKL 244
 Db 461 PQNRDNCCLTTDANIKGTIVKILSGPASSGQRMWFKNDGTILNLYNGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQWLPVF 264
 Db 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 5

US-08-485-286-77
 ; Sequence 77, Application US/08485286
 ; Patent No. 5646026
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/485,286
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-485-286-77

Query Match 54.1%; Score 764.5; DB 1; Length 540;
 Best Local Similarity 55.0%; Pred. No. 5.6e-69;
 Matches 143; Conservative 43; Mismatches 73; Indels 1; Gaps 1;

QY 5 CSASEPTVIRVSGMRVDRDDFDHGNQIOLWPSKSNNDPNQNLWTIKRDNTRSGSC 64
 Db 282 CWDPEPIVIRVGRNGLCVDVTGEFFDGNPIQLWPCSKSNNDPNQNLWTIKRDNTRSGSC 341
 QY 65 LTTYGYTAGVYVIMFDNCNTAVREATIWOIWDNGTTINPRSNVLAASSGIGKGTTLTVQTL 124
 Db 342 LTISKSPROQVVIYNCSTATVATRWQIWDNRTIINPRSGVLVAATSGNSGKLTVTQTN 401
 QY 125 DYTILGQWLAGNDTAPREVTIYGFRLCMESNOGQSVWVETCDSSOKNOGKWLXGDSIR 184
 Db 402 IYAVSQWLPNTNTPFVTTIYGLYGMCLQANSKGVWLEDC-TSEKABQQWALYADGSIR 460
 QY 185 PKNQDQCLTVGRDSVSTVINIVSCSGASGQSVWVFTNEYAILNLKSLAMDVAQANPKL 244
 Db 461 PQNRDNCCLTTDANIKGTIVKILSGPASSGQRMWFKNDGTILNLYNGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQWLPVF 264
 Db 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 6

US-09-512-342-14
 ; Sequence 14, Application US/09512342
 ; Patent No. 6388068
 ; GENERAL INFORMATION:
 ; APPLICANT: SATOH, SHINOBU
 ; APPLICANT: MASUDA, SUSUMU
 ; TITLE OF INVENTION: METHOD FOR PRODUCING FOREIGN POLYPEPTIDE IN PLANT
 ; FILE REFERENCE: 081356/0142
 ; CURRENT APPLICATION NUMBER: US/09/512,342
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 14
 ; LENGTH: 293
 ; TYPE: PRT
 ; ORGANISM: Cucumis sativus
 ; US-09-512-342-14

Query Match 12.7%; Score 179; DB 4; Length 293;
 Best Local Similarity 26.6%; Pred. No. 3.7e-10;
 Matches 65; Conservative 36; Mismatches 103; Indels 40; Gaps 11;

QY 14 IVGRSGMRVDRDDFDHGNQIOLW-----PSK-----SNNDPNQNLWTIKRDNTR-- 59
 Db 41 LVGRDGLCLEMSP-----WYKPAGINFPTLSPCDEKKQTLQTLVIGDGTIRPM 89
 QY 60 SNGSCLTT---YGYTAGVYVIMFDNCNTAVREATIWOIWDNGTTINPRSNVLAASSGIGK 116
 Db 90 NDKFCLAAEVFYGVIN--KAVVSECGKVSDDPNKWTOKNDGTIALVDSRMVLTGDLDY-- 145
 QY 117 TLTITVQTLDTYTLGQWLAGNDTAPREVTIYGFRLCMESNOGS--VWVETCDSSOKNOGK 174
 Db 146 --VTLOSQNYTPSQSWEVTESLNSMVANIEWLNLCQLQSTDDSSHVGLNGCNTDNKYQ-R 202
 QY 175 WALYGDGSIKPKQNDQCLTVGRDSVSTVINIVSCSGASGQSVWVFTNEYAILNLKSL 233
 Db 203 WALYADGTIRQHVKNVCLTSDQDFGRFV--VVSCKEDPKQQRWLSDAKDYTIDHPNTDM 260
 QY 234 AMDV 237
 Db 261 VIDV 264

RESULT 7

US-09-159-106-15
 ; Sequence 15, Application US/09159106
 ; Patent No. 6284509
 ; GENERAL INFORMATION:
 ; APPLICANT: Ferrer, Pau
 ; APPLICANT: Diers, Ivan

us-09-601-667c-8.ra1

Sat Mar 22 10:41:45 2003

QY 76 VMFDONTAVREATIWIW--DNGT--IINPRSNLVAASSGI---KGTTLTVOTLDYTL 128
Db 375 VQVWTCN-----GTGAQWAYDAGSKALRNPQSGLCCLDGTGAPLRDQRLQWTCTGTT 429

QY 129 GQGW 132
Db 430 AQOW 433

RESULT 9

US-08-468-812-8
; Sequence 8 Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.03400002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NOS: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 491 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
; US-08-468-812-8

Query Match 8.5%; Score 119.5; DB 2; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.0008;
Matches 40; Conservative 19; Mismatches 62; Indels 19; Gaps 6;

QY

7 ASEP-----TVRIVGRSGMRVDRDDFDHGNQIQLWPSKSNNDPNQLWTIKRD 55

; APPLICANT: Halkier, Torben
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
; US-09-159-106-15

Query Match 8.8%; Score 125; DB 4; Length 132;
Best Local Similarity 34.7%; Pred. No. 3.3e-05;
Matches 43; Conservative 12; Mismatches 53; Indels 16; Gaps 6;

QY 18 SGMRVDRDDFDHGNQIQLWPSKSNNDPNQLWTIKRDNTRNSGSLTTY--GYTAGVY 75
Db 14 NGMCVDVPWADPTDGNPQIVTCSGN--AAQTWRGSDGTVRALGKCLDVRDGSSTRGAA 71

QY 76 VMFDONTAVREATIWIW--DNGT--IINPRSNLVAASSGI---KGTTLTVOTLDYTL 128
Db 72 VQVWTCN-----GTGAQWAYDAGSKALRNPQSGLCCLDGTGAPLRDQRLQWTCTGTT 126

QY 129 GQGW 132
Db 127 AQOW 130

RESULT 8

US-09-159-106-11
; Sequence 11, Application US/09159106
; Patent No. 6284509
; GENERAL INFORMATION:
; APPLICANT: Ferrier, Pau
; APPLICANT: Halkier, Torben
; APPLICANT: Diers, Ivan
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
; US-09-159-106-11

Query Match 8.8%; Score 125; DB 4; Length 435;
Best Local Similarity 34.7%; Pred. No. 0.00019;
Matches 43; Conservative 12; Mismatches 53; Indels 16; Gaps 6;

QY 18 SGMRVDRDDFDHGNQIQLWPSKSNNDPNQLWTIKRDNTRNSGSLTTY--GYTAGVY 75
Db 317 NGMCVDVPWADPTDGNPQIVTCSGN--AAQTWRGSDGTVRALGKCLDVRDGSSTRGAA 374

Db 354 SSEPXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQWCHSGT--NQWAAATDA 410
 QY 56 NTIRNSG-SCLTYYGTAGVYVIMFDCNTAVREATIWIQWNGTIINPRSNLVLA--SS 112
 Db 411 GELRVYGDKCLDAAGTSGSKVQIYSCWGDNQK--WRLNSDGSVVGVSGLCLDAVNG 468
 QY 113 GIKGTTLTVTQIDYTLGQGW 132
 Db 469 TANGTLIQLYTCNSGNSQNRW 488

RESULT 10
 US-08-590-563-8
 ; Sequence 8, Application US/08590563
 ; Patent No. 6300114
 ; GENERAL INFORMATION:
 ; APPLICANT: M ntyl, Arja
 ; APPLICANT: Vehmaanper, Jari
 ; APPLICANT: Fagerstr m, Richard
 ; APPLICANT: Lantto, Raija
 ; APPLICANT: Palohelmo, Marja
 ; APPLICANT: Suominen, Pirko
 ; APPLICANT: Lahtinen, Tarja
 ; TITLE OF INVENTION: Production and Secretion of Proteins of
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 ; STREET: 1100 New York Ave., N.W. Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/590,563
 ; FILING DATE: 26-JAN-1996
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/468,812
 ; FILING DATE: 06-JUN-1995
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/332,412
 ; FILING DATE: 31-OCT-1994
 ; CLASSIFICATION: 536
 ; APPLICATION DATA:
 ; FILING DATE: 29-JUL-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Bugalsky, Lawrence B.
 ; REGISTRATION NUMBER: 35,086
 ; REFERENCE/DOCKET NUMBER: 1050.0340003
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-371-2600
 ; TELEFAX: 202-371-2540
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 491 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; POSITION IN GENOME:
 ; CHROMOSOME/SEGMENT: M64551

Query Match

8.5%; Score 119.5; DB 4; Length 491;

Best Local Similarity 28.6%; Pred. No. 0.0008;
 Matches 40; Conservative 19; Mismatches 62; Indels 19; Gaps 6;
 QY 7 ASEP-----TVRIVGRSGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTIKRD 55
 Db 354 SSEPXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQWCHSGT--NQWAAATDA 410
 QY 56 NTIRNSG-SCLTYYGTAGVYVIMFDCNTAVREATIWIQWNGTIINPRSNLVLA--SS 112
 Db 411 GELRVYGDKCLDAAGTSGSKVQIYSCWGDNQK--WRLNSDGSVVGVSGLCLDAVNG 468
 QY 113 GIKGTTLTVTQIDYTLGQGW 132
 Db 469 TANGTLIQLYTCNSGNSQNRW 488

RESULT 11
 US-08-392-828C-39
 ; Sequence 39, Application US/08392828C
 ; Patent No. 5795962
 ; GENERAL INFORMATION:
 ; APPLICANT: IWANAGA, SADAOKI
 ; APPLICANT: MUTA, TATSUSHI
 ; APPLICANT: SEKI, NORIYAKI
 ; APPLICANT: ODA, TOSHIO
 ; TITLE OF INVENTION: NOVEL POLYPEPTIDE AND DNA ENCODING
 ; TITLE OF INVENTION: THEREOF
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
 ; STREET: 53 STATE STREET
 ; CITY: BOSTON
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/392,828C
 ; FILING DATE: 28-FEB-1995
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: CAMPBELL, PAULA A
 ; REGISTRATION NUMBER: 32,503
 ; REFERENCE/DOCKET NUMBER: FUN-033
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 248-7000
 ; TELEFAX: (617) 248-7100
 ; INFORMATION FOR SEQ ID NO: 39:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 127 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FEATURE:
 ; NAME/KEY: Peptide
 ; LOCATION: 1..127
 ; OTHER INFORMATION: /note= "XLN A SEQUENCE (FIGURE 4)"
 ; US-08-392-828C-39

Query Match

8.4%; Score 119; DB 1; Length 127;
 Best Local Similarity 29.8%; Pred. No. 0.00013;
 Matches 37; Conservative 18; Mismatches 61; Indels 8; Gaps 5;

QY 12 VRIVGRSGMRVDVDDDFHGNQIQLWPSKSNNDPNQLWTIKRDNTIRSNGLTYYGY 70
 Db 6 IKGVG-SGRCLDVPDASTSDGTQLQWCHSGT--NQWAAATDAGELRVYGDKCLDAAGT 62

us-09-601-667c-8.ra1

Sat Mar 22 10:41:45 2003

QY 71 TAGVYVIMFDNTAVREATIWOIWDNGTIINPRSNVLAA--SSGIKGTTLVQTLDTYL 128
Db 63 SNGSKVQIYSCWGDQK--WRLNSDGSVVGQGLCLDAVGNGTANGTLIQLYTCNSGS 120
QY 129 GQGW 132
Db 121 NORW 124

RESULT 12
US-09-330-945-39
; Sequence 39, Application US/09330945
; Patent No. 607946
; GENERAL INFORMATION:
; APPLICANT: IWANAGA, SADAOKI
; APPLICANT: MUTA, TATSUSHI
; APPLICANT: SEKI, NORIHI
; APPLICANT: ODA, TOSHIO
; TITLE OF INVENTION: DNA ENCODING HORSESHOE CRAB
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02110

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/330,945
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 09/119,995
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: PITCHER, EDMUND R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: FJN-032DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 127 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..127
OTHER INFORMATION: /note= "XLN A SEQUENCE (FIGURE 4)"

US-09-330-945-39
Query Match 8.4%; Score 119; DB 3; Length 127;
Best Local Similarity 29.8%; Pred. No. 0.00013;
Matches 37; Conservative 18; Mismatches 61; Indels 8; Gaps 5;
QY 12 VRIVSGMRVDVDDDFHNGQIQLPWPSKSNNDPNQLWTIKRDNTRNSG-SCLTTYGY 70
Db 6 IKGVG-SGRCLDVPDASTSDGTQLQLPWDCSGT--NOOWAATDAGELVVGDKCLDAAGT 62
QY 71 TAGVYVIMFDNTAVREATIWOIWDNGTIINPRSNVLAA--SSGIKGTTLVQTLDTYL 128
Db 63 SNGSKVQIYSCWGDQK--WRLNSDGSVVGQGLCLDAVGNGTANGTLIQLYTCNSGS 120

QY 129 GQGW 132
Db 121 NORW 124
RESULT 13
US-08-468-812-5
; Sequence 5, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M nyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50

US-08-468-812-5
Query Match 8.2%; Score 116.5; DB 2; Length 480;
Best Local Similarity 31.4%; Pred. No. 0.0015;
Matches 33; Conservative 16; Mismatches 49; Indels 5; Gaps 3;
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Db 379 IDVPNGNTADGTQQLDYDCHSGS--NQWYTSSEGFIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIWOIWDNGTIINPRSNVLAA--SSGIKGTTLVQTLDTYL 122

Db 437 CWGGANQK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

RESULT 14

US-08-590-563-5
; Sequence 5, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812

FILING DATE: 06-JUN-1995

CLASSIFICATION: 536

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412

FILING DATE: 31-OCT-1994

CLASSIFICATION: 536

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001

FILING DATE: 29-JUL-1994

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.

REGISTRATION NUMBER: 35,086

REFERENCE/DOCKET NUMBER: 1050.0340003

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: peptide

POSITION IN GENOME:

CHROMOSOME/SEGMENT: AM50

US-08-590-563-5

Query Match 8.2%; Score 116.5; DB 4; Length 480;
Best Local Similarity 31.4%; Pred. No. 0.0015;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VDVRDDDFHGNQIQLPWPSKNNDPNQLWTIKRDNTIRNGS-CLTTYGYTAGVYVMIFD 80

Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQQWYTSSSGEFRIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIQNDGTIINPRSNLVLAASSGIKGTTLTVQ 122

Search completed: March 22, 2003, 09:59:43

Job time : 9.14815 secs

Db 437 CWGGANQK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

RESULT 15

US-08-468-812-4
; Sequence 4, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper , Jari
; APPLICANT: M ntyl , Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kriisto, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412

FILING DATE: 31-OCT-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001

FILING DATE: 29-JUL-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Larry B.

REGISTRATION NUMBER: 35,086

REFERENCE/DOCKET NUMBER: 1050.0340002

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 492 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-468-812-4

Query Match 8.2%; Score 116.5; DB 2; Length 492;
Best Local Similarity 31.4%; Pred. No. 0.0016;
Matches 32; Conservative 16; Mismatches 49; Indels 5; Gaps 3;

QY 22 VDVRDDDFHGNQIQLPWPSKNNDPNQLWTIKRDNTIRNGS-CLTTYGYTAGVYVMIFD 80

Db 379 IDVPNGNTADGTQVQLYDCHSGS--NQQWYTSSSGEFRIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIQNDGTIINPRSNLVLAASSGIKGTTLTVQ 122

Db 437 CWGGANQK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

us-09-601-667c-8.ra1

Sat Mar 22 10:41:45 2003

GenCore version 5.1.4 p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.27635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-9

Perfect score: 1417

Sequence: 1 DDVTCASEPTVRIVGRNGM.....RRIIYPATGKPNQMWLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1327.5	93.7	263	10	US-09-347-064-10
2	1327.5	93.7	267	10	US-09-347-064-4
3	175.5	12.4	145	12	US-10-074-527-5
4	127	9.0	135	9	US-09-973-457-5
5	127	9.0	135	12	US-10-074-527-6
6	124.5	8.8	432	10	US-09-770-621-4
7	124.5	8.8	492	10	US-09-770-621-7
8	122.5	8.6	480	10	US-09-770-621-5
9	122.5	8.6	491	10	US-09-770-621-8
10	107	7.6	612	12	US-10-001-851-25
11	95	6.7	295	10	US-09-815-242-11833
12	94	6.6	1723	10	US-09-841-132-394
13	94	6.6	1723	10	US-09-841-132-395
14	92	6.5	2771	9	US-09-808-602-82
15	87.5	6.3	770	10	US-09-815-656-31
16	87.5	6.2	836	9	US-09-858-525A-10
17	87.5	6.2	871	9	US-09-858-525A-2
18	86.5	6.1	608	10	US-09-924-358-8
19	84.5	6.0	239	10	US-09-910-071-15

20	83	5.9	2353	10	US-09-797-862-33	Sequence 33, Appl
21	82.5	5.8	3571	9	US-10-150-821-2	Sequence 2, Appl
22	82.5	5.8	3571	10	US-09-911-842-2	Sequence 2, Appl
23	81	5.7	1781	9	US-09-995-749A-2	Sequence 2, Appl
24	80.5	5.7	559	12	US-10-001-851-23	Sequence 23, Appl
25	80	5.6	207	10	US-09-780-717-26	Sequence 26, Appl
26	80	5.6	356	9	US-09-976-059-8	Sequence 8, Appl
27	80	5.6	925	10	US-09-452-380-4	Sequence 4, Appl
28	80	5.6	936	10	US-09-452-380-3	Sequence 3, Appl
29	78.5	5.5	4545	10	US-09-873-403-2	Sequence 2, Appl
30	78	5.5	985	9	US-09-738-626-4377	Sequence 4377, Ap
31	78	5.5	1848	9	US-09-839-996-6	Sequence 6, Appl
32	77.5	5.5	448	9	US-10-265-593-2	Sequence 2, Appl
33	77.5	5.5	770	9	US-09-932-896-9	Sequence 9, Appl
34	77	5.4	1226	10	US-09-815-242-13646	Sequence 13646, A
35	77	5.4	1599	9	US-10-092-880-9	Sequence 30, Appl
36	76.5	5.4	306	9	US-10-125-692-30	Sequence 24, Appl
37	76.5	5.4	559	12	US-10-001-851-24	Sequence 24, Appl
38	76.5	5.4	579	12	US-10-001-851-29	Sequence 29, Appl
39	76.5	5.4	626	12	US-10-001-851-27	Sequence 27, Appl
40	76.5	5.4	1541	9	US-09-839-996-3	Sequence 3, Appl
41	75.5	5.3	185	9	US-09-791-279-162	Sequence 162, App
42	75.5	5.3	435	9	US-10-000-512-18	Sequence 18, Appl
43	75.5	5.3	492	10	US-09-801-368-192	Sequence 192, App
44	75	5.3	434	10	US-09-770-621-6	Sequence 6, Appl
45	75	5.3	466	10	US-09-741-669-303	Sequence 303, App

ALIGNMENTS

RESULT 1
US-09-347-064-10
; Sequence 10, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347, 064A
; EARLIER FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-10

Query Match 93.7%; Score 1327.5; DB 10; Length 263;
Best Local Similarity 95.1%; Pred. No. 2.3e-114;
Matches 250; Conservative 2; Mismatches 10; Indels 1; Gaps 1;
QY 1 DDVTCASEPTVRIVGRNGMRVDRDDFDHGNQIQQLWPSKNNDPNQLWTIKRDGTIRS 60
DB 1 DDVTCASEPTVRIVGRNGMCDVDRDDFDHGNQIQQLWPSKNNDPNQLWTIKRDGTIRS 60
QY 61 NSGCLTYGTAGYVYMFDCNTAVREATIWIWNGTIINPRSNLVLAASSGIGKTTLT 120
DB 61 NSGCLTYGTAGYVYMFDCNTAVREATIWIWNGTIINPRSNLVLAASSGIGKTTLT 120
QY 121 VQFLDYTLGGWLAGNDTAPREVITYGFRDLCSNGSVVWVETCDSSQKQKQWALYGD 180
DB 121 VQFLDYTLGGWLAGNDTAPREVITYGFRDLCSNGSVVWVETCDSSQKQKQ-RWALYGD 179

Sat Mar 22 10:41:50 2003

QY 181 GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGQRWFTNEGAILNLKTGLAMDVAQA 240
 Db 180 GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGQRWFTNEGAILNLKTGLAMDVAQA 239
 QY 241 NPKLRRIIYPATGKPNQWMLPV 263
 Db 240 NPKLRRIIYPATGKPNQWMLPV 262

RESULT 2
 US-09-347-064-4
 ; Sequence 4, Application US/09347064A
 ; Patent No. US20020045208A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Eck, Jurgen
 ; APPLICANT: Schmidt, Arno
 ; APPLICANT: Zinke, Holger
 ; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
 ; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
 ; TITLE OF INVENTION: album
 ; FILE REFERENCE: 09282-5
 ; CURRENT APPLICATION NUMBER: US/09/347,064A
 ; CURRENT FILING DATE: 1999-07-02
 ; EARLIER APPLICATION NUMBER: PCT/EP98/00009
 ; EARLIER FILING DATE: 1998-01-02
 ; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
 ; EARLIER FILING DATE: 1997-01-02
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 267
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 US-09-347-064-4

Query Match 93.7%; Score 1327.5; DB 10; Length 267;
 Best Local Similarity 95.1%; Pred. No. 2.3e-114;
 Matches 250; Conservative 2; Mismatches 10; Indels 1; Gaps 1;
 QY 1 DDVTCASPTVRIIVGRNGMRVDDDDFDHGNQIQQLWPSKSNNDPNQWLTKIKEDGTIRS 60
 Db 1 DDVTCASPTVRIIVGRNGMCDVDDDDFDHGNQIQQLWPSKSNNDPNQWLTKIKEDGTIRS 60
 QY 61 NGSLTYGTAGVYVIFDCNTAVREATIWIQWNGTIINPRSNLVLAASSGKGTTLT 120
 Db 61 NGSLTYGTAGVYVIFDCNTAVREATIWIQWNGTIINPRSNLVLAASSGKGTTLT 120
 QY 121 VQTLDTLGGQWLAGNDTAPREVITYIGFRDLCEWESNGGSGVWVETCDSSQKQKQWALYGD 180
 Db 121 VQTLDTLGGQWLAGNDTAPREVITYIGFRDLCEWESNGGSGVWVETCVSSQKQKQ-RWALYGD 179
 QY 181 GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGQRWFTNEGAILNLKTGLAMDVAQA 240
 Db 180 GSIRPKNQDQCLTSGRDSVSTVINIVSCGASGSGQRWFTNEGAILNLKTGLAMDVAQA 239
 QY 241 NPKLRRIIYPATGKPNQWMLPV 263
 Db 240 NPKLRRIIYPATGKPNQWMLPV 262

RESULT 3
 US-10-074-527-5
 ; Sequence 5, Application US/10074527
 ; Patent No. US20020142426A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olandt, Peter J.
 ; APPLICANT: Meyers, Rachel E.
 ; APPLICANT: Galvin, Katherine A.
 ; APPLICANT: Millennium Pharmaceuticals Inc.
 ; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
 ; TITLE OF INVENTION: Uses therefor
 ; FILE REFERENCE: MPI2001-018P(RCFI (M)
 ; CURRENT APPLICATION NUMBER: US/10/074,527

; CURRENT FILING DATE: 2002-02-12
 ; PRIOR APPLICATION NUMBER: 60/269202
 ; PRIOR FILING DATE: 2001-02-15
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 145
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: consensus
 US-10-074-527-5

Query Match 12.4%; Score 175.5; DB 12; Length 145;
 Best Local Similarity 35.8%; Pred. No. 6.2e-09;
 Matches 43; Conservative 20; Mismatches 46; Indels 11; Gaps 5;
 QY 154 ESNNGSVWVETCDSSQKQKQWAL---YDGSIRPKNQDQCLTSGRDSVSTVINIVSC- 209
 Db 25 ESDGNQVQLWNCHSFGKQKWSLTYDESDGEIRSVVNNDKCLTVNANSPGSEVKLYQCD 84
 QY 210 SGASGSGORWFTNEGAI-----LNL-KTGLAMDVAQANPKL-RRIIYPATGKPNQWMLP 262
 Db 85 SATSDNQKWLNNNDGLIGNKILLNLVNTGLVLDVKGSDTQNGTKLILYTCSGGRNQWMLP 144

RESULT 4
 US-09-973-457-5
 ; Sequence 5, Application US/09973457
 ; Patent No. US20020164746A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kapeller-Libermann, Rosana
 ; TITLE OF INVENTION: 47174, A NOVEL HUMAN GLYCOSYLTRANSFERASE
 ; TITLE OF INVENTION: AND USES THEREOF
 ; FILE REFERENCE: 10448-099001
 ; CURRENT APPLICATION NUMBER: US/09/973,457
 ; CURRENT FILING DATE: 2001-10-09
 ; PRIOR APPLICATION NUMBER: 60/238,849
 ; PRIOR FILING DATE: 2000-10-06
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 135
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Consensus sequence
 US-09-973-457-5

Query Match 9.0%; Score 127; DB 9; Length 135;
 Best Local Similarity 25.7%; Pred. No. 0.00016;
 Matches 44; Conservative 20; Mismatches 53; Indels 54; Gaps 9;
 QY 14 IYVRNGMRVDV--RDDFDHGNQIQQLWPSKSNNDPNQWLTI---KRDGTIRSGS-CLTT 67
 Db 7 ICGNTGLCLDVNGNSESKSDGNPQLWDCGGG--NQLWKLTYNESDGAIRNSDCLTV 64
 QY 68 YGYTAGVYVYVIFDCNTAVR--EATIQIWDNGTIINPRSNLVLAASSGKGTTLTVQTLTLD 125
 Db 65 NG-----TVTLYSCDGTDKGNDNQKWEVNDGTIRNPK-NSKKGVDSG----- 106
 QY 126 YTLGQGWLAGNDTAPREVITYIGFRDLCEW-SNGGSGVWVETCDSSQKQKQW 175
 Db 107 -----LCLDVKDGKVKQLWTCNGSDAPNQKW 132

RESULT 5
 US-10-074-527-6
 ; Sequence 6, Application US/10074527
 ; Patent No. US20020142426A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olandt, Peter J.
 ; APPLICANT: Meyers, Rachel E.

RESULT 6
 US-09-770-621-4
 : Sequence 4, Application US/09770621
 : Patent No. US20010024815A1
 : GENERAL INFORMATION:
 : APPLICANT: M ntyl , Arja
 : APPLICANT: Vehmaanper, Jari
 : APPLICANT: Fagerstr m, Richard
 : APPLICANT: Lantto, Raija
 : APPLICANT: Paloheimo, Marja
 : APPLICANT: Suominen, Pirkko
 : APPLICANT: Lahtinen, Tarja
 : TITLE OF INVENTION: Production and Secretion of Proteins of
 : NUMBER OF SEQUENCES: 39
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 : STREET: 1100 New York Ave., N.W. Suite 600
 : CITY: Washington
 : STATE: D.C.
 : COUNTRY: U.S.A.
 : ZIP: 20005
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/770,621
 : FILING DATE:
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/590,563
 : FILING DATE:
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 08/332,412
 : FILING DATE: 31-OCT-1994

Query Match	8.8%	Score 124.5;	DB 10;	Length 492;
Best Local Similarity	20.8%;	Pred. No. 0.0015;		
Matches	72;	Conservative 36;	Mismatches 105;	Indels 133; Gaps 17;
QY	23	DYRDDDFHDGNIQIOWPS----	KSNNDPNLWITIKRDGTIR----	SNGSCLTITYG-----70
Db	168	DVNEAFEDGSGRRCDNSLQRTGND----	WIEVAPRTARQGDPSAKLYCNDYNIENWNA	223
QY	71	--TAGVYVYMI-----	FDCTAVREATIQIWDNGTII	INPRSNLVLASSGIKGTTL 119
Db	224	AKTQAVYVNWVDFKSRGVPIDC-----	VGFSHFNSGPNYPNFRITL	QOQFAAL-GVDV 276
QY	120	TVQTLDTYTLGGWLAGNDTAPRE-----	VTIYGRD-----	LC 152
Db	277	EVTELDI-----	ENAPATQYASVIRDCLAVDRCTG	ITVWGVDRSDSWRSYQNPLL 326
QY	153	MESN-----	GGSVWV-----	ET 164
Db	327	FDNNGNKQAYYAVLDALNEGSDGGGSPNPVSP	PGGSGGQIRGVASNRCDIVP	NGNT 386
QY	165	CDSSQ-----	KNQGWALYDGSIRPKONQOCLTSGRDS	VSTVINIVSCSGAGS 215
Db	387	ADGTQVQLYDCHSGSNQ-QWYTTSSGEFIFGN--	KCLDAGSSNGAVVQIYSCWGGGA-N	442
QY	216	QRWVFTTEGAILMLKTGLAND-VAQANPKLRRII	YPATGKPNQW	260
Db	443	QKWELRADGTTIVGVOSGLCLDAVGGGTGN	GTLOIYSCWGGGNOKW	488

RESULT 7
 ; Sequence 7, Application US/09770621
 ; Patent No. US20010024815A1
 ; GENERAL INFORMATION:
 ; APPLICANT: M ntyl, Arja
 ; APPLICANT: Venmaamer, Jari
 ; APPLICANT: Fagerstr m, Richard
 ; APPLICANT: Lantto, Raija
 ; APPLICANT: Paloheimo, Marja
 ; APPLICANT: Suominen, Pirkko
 ; APPLICANT: Lahtinen, Tarja
 ; TITLE OF INVENTION: Production and Secretion of Proteins of
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 ; STREET: 1100 New York Ave., N.W. Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

Sat Mar 22 10:41:50 2003

us-09-601-667c-9.rapb

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-7

Query Match 8.8%; Score 124.5; DB 10; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.0015;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;
QY 23 DVRRDDFDHGNQTLQWPS---KSNNDPNQLWTIKRDGTIR---SNGSLTTYGY-----70
DB 168 DVVNEAFEDGNSGRCDNLQRTGND---MIEVAFRTAQDPSAKLCYNDYNIENWNA 223
QY 71 --TAGVYVM-----FDCNTAVREATIWIWDNGTIINPRSNLVAASSGKGTTL 119
DB 224 AKTQAVYVMVDFKSRGVFIDC-----VGFQSHFNSGNPNPNRTTLQOFAAL-GVDV 276
QY 120 TVQTLDTLQGLAGNDTAPRE-----VTIYGRD-----LC 152
DB 277 EVTELDI-----ENAPAGTYASVIRDCIADVDRCTGITVGVGRDSDSWRSYQNPLL 326
QY 153 MESN-----GGSVWV-----ET 164
DB 327 FDNNGNKQAYAVLDALNEGSDGGSPNPPVPPGGGQIRGVASNRCDIVPENGNT 386
QY 165 CDSQ-----KNGKWLXYGDSIRPKQNDQCLTSGRDSYSTVINVSCSGASGS 215
DB 387 ADGTQVQLYCHGSGNQ-QWYTTSSGGEFRIFGN--KCLDAGSSNGAVVQIYSCWGGG-N 442
QY 216 QRWFTTNEGAILNKTGLAMD-VAQANPKLRRIIYYPATGKNQMW 260
DB 443 QKWELRADGTIVGVQSGLCCLDAVGGGTGNGTRQLQLYSCWGGNNQKW 488

RESULT 8
US-09-770-621-5
Sequence 5, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M ntyl, Arja
APPLICANT: Vehmaanper, Jari
APPLICANT: Fagerstr m, Richard

APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
TITLE OF INVENTION: Production and Secretion of Proteins of
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSER: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 New York Ave., N.W. Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,621
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/590,563
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bugaisky, Lawrence B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: No. US20010024815A1 Relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AM50
US-09-770-621-5

Query Match 8.6%; Score 122.5; DB 10; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.0022;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;
QY 22 VVRRDDFDHGNQIQLWFSKSNNDPNQLWTIKRDGTIRSGS-CLTTYGYTAGVYVMIFD 80
DB 379 IDVPNGNTADGTQVQLYCHGSGS--NQWYTTSSGGEFRIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWDNGTIINPRSNLVAASSGKGTTLTVQ 122
DB 437 CWGGANQK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRQLQ 476

RESULT 9
US-09-770-621-8
Sequence 8, Application US/09770621
Patent No. US20010024815A1
GENERAL INFORMATION:
APPLICANT: M ntyl, Arja
APPLICANT: Vehmaanper, Jari
APPLICANT: Fagerstr m, Richard

Sat Mar 22 10:41:50 2003

US-09-815-242-11833

```

Query Match      6.7%; Score 95; DB 10; Length 295;
Best Local Similarity 19.6%; Pred. No. 0.39;
Matches 45; Conservative 36; Mismatches 91; Indels 58; Gaps 7;

Qy 2 DVTCSASEPTVIRVGRNGMVDVDDDFHNGIQIOWPSKNNPNQWLTWIKRDGTIRSN 61
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 37 DVNAAALEETQLLASSGVSTAVVDVADREQVQAWADKAASEHGRVNLIFNNAGVAHA 96
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 62 GSCLTITTYAGVYVIMFDNCNTAVREATIWIWD-----NGTIINPRSNLVL 108
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 97 G---TVESGDSYSEYEWIMNIN-----FWGVNGTKAFPLPKASNGHVVNVSVFGL 146
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 109 AASSGIKGTTLTIVQTLDTLQGWLAGNDTAPREVTIYGF-----RDLCWESNG----- 157
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 147 PAQFGMSAYNAT-----KYAVRGFTESLRQELWEDSGVSASCV 185

Qy 158 --GSVWVETCDSSQKQKQWALYDGSIRPK-QNODCLTSGRDSVSTVI 204
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 186 HPGGIKTNIATARMNESMAKVTCQAPDKAREQFNDQLLETTPEKAAQVI 235

```

RESULT 12

US-09-841-132-394
; Sequence 394, Application US/09841132
; Patent No. US20020061848A1

GENERAL INFORMATION:

```

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841.132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 394
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-394

```

```

Query Match      6.6%; Score 94; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 4.7;
Matches 60; Conservative 30; Mismatches 81; Indels 96; Gaps 10;

```

```

Qy 59 RNSGSCLTITTYGVT--AGVYVIMFDNCNTA-----VREATIWIWDN-----G 97
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 231 KSGGAAYTEGALTTOAIVEAVFTGNTSAGQGAIYVKEATLFNALDSLKFKEKNTSGQAG 290
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 98 TIINPRSNLVL-----AASSGIKGTTLTIVQTL----- 124
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 291 GGIYTESTLTITSNITKSFISNKASVPAPAPEPTSPAPSSLSINTTDTLTQTRAASA 350
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 125 -----DYTLGGWLAGNDTAPREVTIYGFPRDLQWESNGSVWVE--TCD 166
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 351 TPAVAPVAAVTPTPISTQETAGNG---GAIYAKQGISISTFKDLTFKSNASVDATLTVD 407
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 167 SSQKNOQKQWALYDGSIRPKQNDQCLTSGRD-----SVSTVINIV-----S 208
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 408 SSTIGESGAIFAADSIQIQCTGTTLFGNTANKSGGGIYAVGVQVTLIEDIANLKWNTNT 467
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 209 CSGASG---SORVFTNEGAILNLKTCG 232
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 468 CKGEGGAIYTKKALTINNGAILTTFSG 494

```

RESULT 13

US-09-841-132-395
; Sequence 395, Application US/09841132
; Patent No. US20020061848A1

GENERAL INFORMATION:

```

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841.132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSeq for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

```

```

Query Match      6.6%; Score 94; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 4.7;
Matches 60; Conservative 30; Mismatches 81; Indels 96; Gaps 10;

```

```

Qy 59 RNSGSCLTITTYGVT--AGVYVIMFDNCNTA-----VREATIWIWDN-----G 97
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 231 KSGGAAYTEGALTTOAIVEAVFTGNTSAGQGAIYVKEATLFNALDSLKFKEKNTSGQAG 290
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 98 TIINPRSNLVL-----AASSGIKGTTLTIVQTL----- 124
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 291 GGIYTESTLTITSNITKSFISNKASVPAPAPEPTSPAPSSLSINTTDTLTQTRAASA 350
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 125 -----DYTLGGWLAGNDTAPREVTIYGFPRDLQWESNGSVWVE--TCD 166
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 351 TPAVAPVAAVTPTPISTQETAGNG---GAIYAKQGISISTFKDLTFKSNASVDATLTVD 407
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 167 SSQKNOQKQWALYDGSIRPKQNDQCLTSGRD-----SVSTVINIV-----S 208
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 408 SSTIGESGAIFAADSIQIQCTGTTLFGNTANKSGGGIYAVGVQVTLIEDIANLKWNTNT 467
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 209 CSGASG---SORVFTNEGAILNLKTCG 232
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 468 CKGEGGAIYTKKALTINNGAILTTFSG 494

```

RESULT 14

US-09-808-602-82
; Sequence 82, Application US/09808602
; Patent No. US20020155115A1

GENERAL INFORMATION:

```

; APPLICANT: Vernet, Corine A
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard A
; APPLICANT: Herriman, John L
; APPLICANT: Majumder, Kumud
; APPLICANT: Mishra, Vishnu
; APPLICANT: Mezes, Peter S
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: No. US20020155115A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-697 CIP
; CURRENT APPLICATION NUMBER: US/09/808,602
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/800,198
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 60/186,596
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 82
; LENGTH: 2771
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-808-602-82

```

```

Query Match      6.5%; Score 92; DB 9; Length 2771;
Best Local Similarity 23.8%; Pred. No. 13;

```

Search completed: March 22, 2003, 10:37:31
Job time : 13.2764 secs

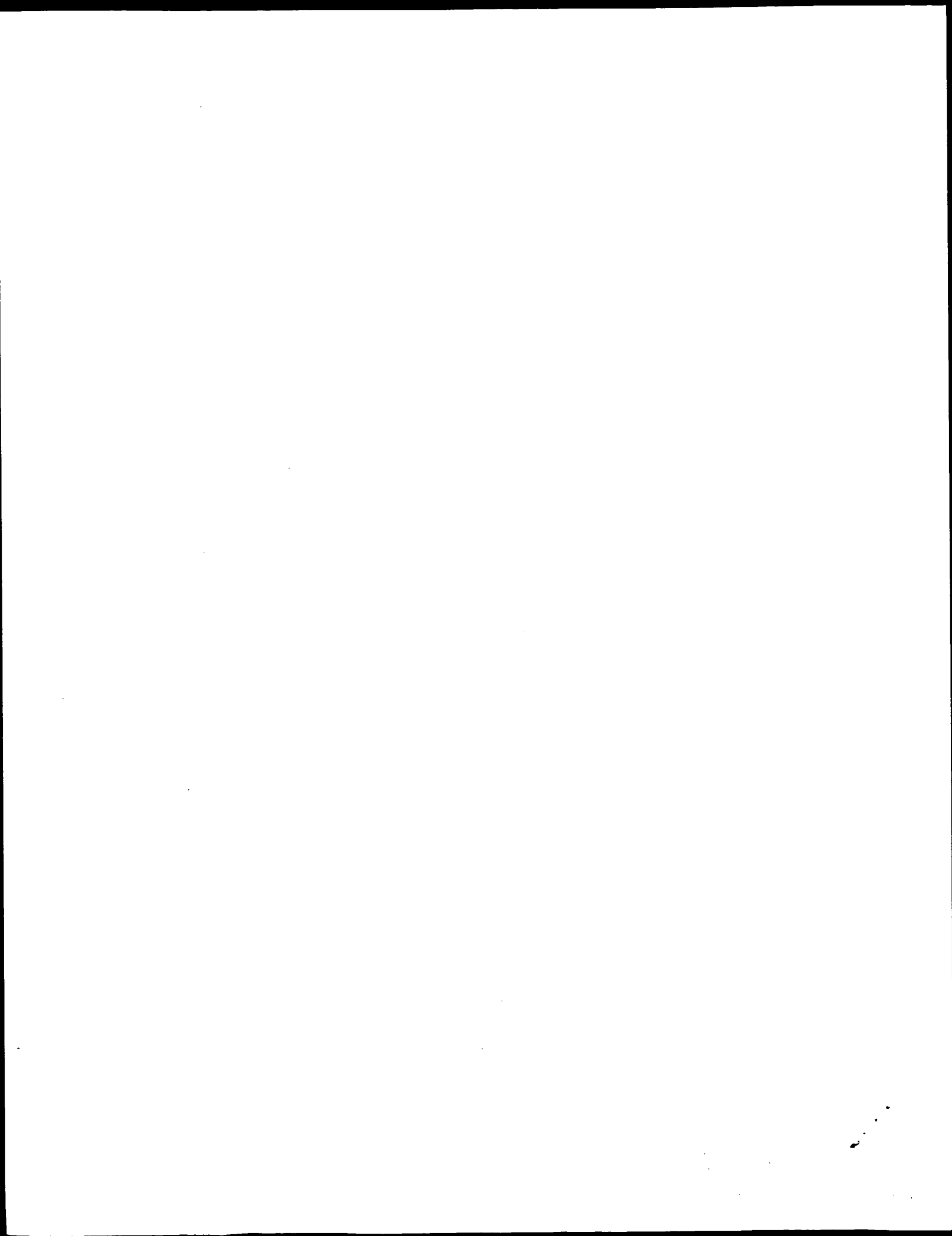
Match#	58; Conservative	27; Mismatches	89; Indels	70; Gaps	13;
Qy 60	SNGSCLTYYGTAGYVYVIMFDCNTAVREATIWIQIW-NGTIIPRSLNVLAASSGIKGT	118	:	:	:
Db 1593	TSGKHLVTSLSPTGDLYNF--TVTGGDITHIDNNGNMVRERDST-----GMP	1641	:	:	:
Qy 119	LTVOTLDYTLGQ-GWLA-GNDTAPREVTIYGFRLCMESNGSVVWETCDSSQKNQGWKA	176	:	:	:
Db 1642	LWLVPD---GQVYVMTGTSALRSVTTQGHELAMMTYHGNSGLLAT-----KGNENGWT	1694	:	:	:
Qy 177	LYGD-----GSRPKQNQD---CQLTSGRDSVSTVINIVSCS-----	210	:	:	:
Db 1695	TFEYDVSFGLRTNVTFPTGQVSSFRSDTSSVHVQVETSSKDDVTITTNLGSAGFAYTL	1754	:	:	:
Qy 211	-----CASGSQRVFTNEGAILNLKTGLANDVA-QANPKLRIRIIIVPATGKPNQM	259	:	:	:
Db 1755	QDQVRNSYIIGADGSLRLLAN-----GMEVALQTEPHLLAGTVNPTVGKRN-V	1802	:	:	:
Qy 260	WLVP 263		:	:	:
Db 1803	TLPI 1806		:	:	:

```

RESULT 15
US-09-815-656-31
; Sequence 31, Application US/09815656
; Patent No. US20010041331A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Leary, Thomas
; APPLICANT: Erker, James
; APPLICANT: Chalmers, Michelle
; APPLICANT: Simons, John
; APPLICANT: Birkenmeyer, Larry
; APPLICANT: Muerhoff, Scott
; APPLICANT: Pilot-Matias, Tami
; APPLICANT: Desai, Suresh
; APPLICANT: Mushahwar, Isa
; TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
; FILE REFERENCE: 6461.US.01
; CURRENT APPLICATION NUMBER: US/09/815,656
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 09/245,248
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-815-656-31

```

Query Match		6.3%; Score 89; DB 10; Length 770;	
Best Local Similarity		22.2%; Pred. No. 4.8;	
Matches	41; Conservative	18; Mismatches 82; Indels 44; Gaps	7;
QY	61	NGSCLTGY-----YTAGVYVMIFDCNTAVREATIWOINDGTTINPR-----	103
	:	:::::	:
Dd	321	SQTITTWGSLNLTKTFTTTTTTYTPGTNTTVTFITANDSWGRTGVYNONIKDVAKK	380
QY	104	-SNLVLAASSGHKPTTLFVOQLDYLQQG-----WLAGNDT---APREVITYGFRLC	152
	:	:::::	:
Dd	381	AAELYSKATKAVLGNFTT--TEDVTLGHGLYSSIWLSPGRSFYETPCAYTDIKYNFFT	438
QY	153	MESNGSVWVECTCDSSQKNCKWALGDGSIRPKQNODCLTSGRDSVSTVINIVS-CSG	211
	:	: :::	:
Dd	439	DRGEGNMLWDWLSKKNNYDK-----VOSKLISDLPLWAAAAGYVEFC AK	485
QY	212	ASGSQ	216
	:	:::	:
Dd	486	STDQD	490



GenCore version 5.1.4_p5.4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-9
Perfect score: 1417
Sequence: 1 DDVTCASAEPTVIRVGRNGM.....RRIIYPATGKNQWMLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1327.5	93.7	263	4	US-08-776-059-43
2	1327.5	93.7	264	4	US-08-776-059-33
3	1327.5	93.7	564	4	US-08-776-059-35
4	777.5	54.9	540	1	US-08-378-761A-77
5	777.5	54.9	540	1	US-08-485-286-77
6	185	13.1	293	4	US-09-512-342-14
7	136	9.6	132	4	US-09-159-106-15
8	136	9.6	435	4	US-09-159-106-11
9	124.5	8.8	492	2	US-08-468-812-4
10	124.5	8.8	492	2	US-08-468-812-7
11	124.5	8.8	492	4	US-08-590-563-4
12	124.5	8.8	492	4	US-08-590-563-7
13	122.5	8.6	480	2	US-08-468-812-5
14	122.5	8.6	480	4	US-08-590-563-5
15	122.5	8.6	491	2	US-08-468-812-8
16	122.5	8.6	491	4	US-08-590-563-8
17	122	8.6	127	1	US-08-392-828C-39
18	122	8.6	127	3	US-09-330-945-39
19	106	7.5	507	4	US-09-130-337A-25
20	89	6.3	770	4	US-09-245-248B-31
21	87.5	6.2	553	1	US-08-565-386-6
22	86.5	6.1	420	2	US-08-282-197C-63
23	86.5	6.1	420	2	US-08-282-197C-66
24	86	6.1	1687	3	US-08-570-311-29
25	86	6.1	1704	3	US-08-336-308A-10
26	86	6.1	1704	3	US-08-822-324-6
27	86	6.1	1704	4	US-09-490-931-10

28	84	5.9	1087	2	US-08-570-311-8	Sequence 8, Appli
29	84	5.9	1087	2	US-08-353-485-8	Sequence 8, Appli
30	84	5.9	1358	2	US-08-570-311-27	Sequence 27, Appli
31	83	5.9	1912	1	US-08-409-995-4	Sequence 4, Appli
32	83	5.9	1912	3	US-08-685-467-4	Sequence 4, Appli
33	83	5.9	2353	4	US-09-377-155-33	Sequence 4, Appli
34	83	5.9	2353	4	US-09-377-155-33	Sequence 4, Appli
35	83	5.9	2353	4	US-09-663-942-4	Sequence 33, Appli
36	83	5.9	2354	4	US-09-268-347-33	Sequence 33, Appli
37	83	5.9	2411	4	US-09-268-347-36	Sequence 47, Appli
38	82.5	5.8	1732	2	US-08-570-311-10	Sequence 36, Appli
39	82.5	5.8	1732	2	US-08-353-485-10	Sequence 10, Appli
40	82	5.8	500	6	5171684-2	Patent No. 5171684
41	81.5	5.8	342	4	US-09-129-033-2	Sequence 2, Appli
42	81.5	5.8	704	3	US-08-792-832A-2	Sequence 2, Appli
43	80.5	5.7	517	2	US-08-967-506-19	Sequence 19, Appli
44	80.5	5.7	517	3	US-08-967-506-19	Sequence 19, Appli
45	80.5	5.7	517	5	PCT-US94-02552-19	Sequence 19, Appli

ALIGNMENTS

RESULT 1

US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; EARLIER FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 93.7%; Score 1327.5; DB 4; Length 263;
Best Local Similarity 95.1%; Pred. No. 8.9e-130;
Matches 250; Conservative 2; Mismatches 10; Indels 1; Gaps 1;

Qy	1	DDVTCASAEPTVIRVGRNGMRVDRDDFDHGNQIQIOLWPSKSNNDPNQLWTIKRGGTIRS	60
Db	1	DDVTCASAEPTVIRVGRNGMCDVDRDDFDHGNQIQIOLWPSKSNNDPNQLWTIKRGGTIRS	60
Qy	61	NGSCLITYGTAGYVYIMFDCNTAVREATIWIQIWDNGTTINPRSNLVLAASSGIGKTTIT	120
Db	61	NGSCLITYGTAGYVYIMFDCNTAVREATLWIQIWDNGTTINPRSNLVLAASSGIGKTTIT	120
Qy	121	VQTLDYTLGGGVLGNDTAPREVTIYGFRLDQESNGSVVWVETCDSSQKQKQKVALYGD	180
Db	121	VQTLDYTLGGGVLGNDTAPREVTIYGFRLDQESNGSVVWVETCDSSQKQKQKVALYGD	180
Qy	181	GSTRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRVWFTNEGAILNLKTLGMDVAQA	240
Db	180	GSTRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRVWFTNEGAILNLKTLGMDVAQA	240
Qy	241	NPKLRRIIYPATGKNQWMLPV	263
Db	240	NPKLRRIIYPATGKNQWMLPV	262

Sat Mar 22 10:41:49 2003

US-08-776-059-35

Query Match 93.7%; Score 1327.5; DB 4; Length 564;
 Best Local Similarity 95.1%; Pred. No. 2.7e-129;
 Matches 250; Conservative 2; Mismatches 10; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIIVGRNGMRVDRDDDFHGNQIQLPWPSKSNNDPNQLWTIKRDTGRTS 60
 DB 302 DDVTCASEPTVRIIVGRNGMCDVDRDDDFRDNQIQLPWPSKSNNDPNQLWTIKRDTGRTS 361
 QY 61 NGSLTYGYTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 120
 DB 362 NGSLTYGYTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 421
 QY 121 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCLMESNGSGVWVETCDSSQKQKQWLYGD 180
 DB 422 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCLMESNGSGVWVETCDSSQKQKQWLYGD 480
 QY 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 DB 481 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSGQRWVFTNEGAILNLKGLAMDVAQA 540
 QY 241 NPKLRRIIYPATGKNQWMLPV 263
 DB 541 NPKLRRIIYPATGKNQWMLPV 563

RESULT 4

US-08-378-761A-77
 ; Sequence 77, Application US/08378761A
 ; Patent No. 5635384
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; NUMBER OF SEQUENCES: 81
 ; TITLE OF INVENTION: USING
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/378,761A
 ; FILING DATE: 26-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 382728
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-378-761A-77

Query Match 54.9%; Score 777.5; DB 1; Length 540;
 Best Local Similarity 55.8%; Pred. No. 2.9e-72;
 Matches 145; Conservative 41; Mismatches 73; Indels 1; Gaps 1;

US-08-776-059-33

Sequence 33, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: Patent in Ver. 2.0
 ; SEQ ID NO 33
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 ; US-08-776-059-33

Query Match 93.7%; Score 1327.5; DB 4; Length 264;
 Best Local Similarity 95.1%; Pred. No. 9e-130;
 Matches 250; Conservative 2; Mismatches 10; Indels 1; Gaps 1;

QY 1 DDVTCASEPTVRIIVGRNGMRVDRDDDFHGNQIQLPWPSKSNNDPNQLWTIKRDTGRTS 60
 DB 2 DDVTCASEPTVRIIVGRNGMCDVDRDDDFRDNQIQLPWPSKSNNDPNQLWTIKRDTGRTS 61
 QY 61 NGSLTYGYTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 120
 DB 62 NGSLTYGYTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGIGKTTLT 121
 QY 121 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCLMESNGSGVWVETCDSSQKQKQWLYGD 180
 DB 122 VOTLDYTLGGWLAGNDTAPREVITYIGFRDLCLMESNGSGVWVETCDSSQKQKQWLYGD 180
 QY 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 DB 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSGQRWVFTNEGAILNLKGLAMDVAQA 240
 QY 241 NPKLRRIIYPATGKNQWMLPV 263
 DB 241 NPKLRRIIYPATGKNQWMLPV 263

RESULT 3

US-08-776-059-33
 ; Sequence 35, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776,059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: Patent in Ver. 2.0
 ; SEQ ID NO 35
 ; LENGTH: 564
 ; TYPE: PRT
 ; ORGANISM: Viscum album

[illegible]

```

RESULT 5
US-08-485-286-77
; Sequence 77, Application US/08485286
; Patent No. 5646026
; Patent No. 5646026 5646119
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,286
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/378761
; FILING DATE: 26-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 540 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-485-286-77

```

RESULT 7
US-09-159-106-15
; Sequence 15, Application US/09159106
; Patent No. 6284509
; GENERAL INFORMATION:
; APPLICANT: Ferrer, Pau
; APPLICANT: Diers, Ivan

APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
TITLE OF INVENTION: Activity
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 132
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match 9.6%; Score 136; DB 4; Length 132;
Best Local Similarity 36.3%; Pred. No. 1.3e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;
QY 18 NGMRVDVDRDDFDHGNQIQWLWPSKSNNDPNQLWTIKRDGTIRNSGSLTTY--GYTAGVY 75
DB 14 NGMCDVVPWADPTDGNPVQIVTCSGN--AAQTWTRGSDGTVRALGKCLDVRDGSITRGAA 71
QY 76 VMIFDCNTAVREATIWIW--DNGT--IINPRNLVLAASSGI---KGTTLTVQTLDTYL 128
DB 72 VQVWTCN-----GTGAQKWAYDAGSKALRNQSGCLCLDATGGAPLRDQGORLQWTWTCNGTT 126
QY 129 GQGW 132
DB 127 AQOW 130

RESULT 8
US-09-159-106-11
Sequence 11, Application US/09159106
Patent No. 6284509
GENERAL INFORMATION:
APPLICANT: Ferrer, Pau
APPLICANT: Diers, Ivan
APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
TITLE OF INVENTION: Activity
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 435
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match 9.6%; Score 136; DB 4; Length 435;
Best Local Similarity 36.3%; Pred. No. 7.7e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;
QY 18 NGMRVDVDRDDFDHGNQIQWLWPSKSNNDPNQLWTIKRDGTIRNSGSLTTY--GYTAGVY 75
DB 317 NGMCDVVPWADPTDGNPVQIVTCSGN--AAQTWTRGSDGTVRALGKCLDVRDGSITRGAA 374

QY 76 VMIFDCNTAVREATIWIW--DNGT--IINPRNLVLAASSGI---KGTTLTVQTLDTYL 128
DB 375 VQVWTCN-----GTGAQKWAYDAGSKALRNQSGCLCLDATGGAPLRDQGORLQWTWTCNGTT 429
QY 129 GQGW 132
DB 430 AQOW 433

RESULT 9
US-08-468-812-4
Sequence 4, Application US/08468812
Patent No. 5935836
GENERAL INFORMATION:
APPLICANT: Vehmaanper, Jari
APPLICANT: Mntyl, Arja
APPLICANT: Fagerström, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paolheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
TITLE OF INVENTION: Of Use
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-812-4

Query Match 8.8%; Score 124.5; DB 2; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00014;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;
QY 23 DVRDDDFHDGNGIQWLWPS---KSNNDPNQLWTIKRDGTIR-----SNGSCLTTYGY----- 70
DB 168 DVVNEAFEDGNSGRCDNQLQRTGND----WIEVAFRTARQGDPSAKLCYNDYINENWNA 223


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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/282,001
/ FILING DATE: 29-JUL-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Bugalsky, Lawrence B.
/ REGISTRATION NUMBER: 35,086
/ REFERENCE/DOCKET NUMBER: 1050.0340003
/ TELEPHONE: 202-371-2600
/ TELEFAX: 202-371-2540
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 492 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-590-563-4

Query Match      8.8%; Score 124.5; DB 4; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00014;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;

QY 23 DVRDDDFHGNQIQWLPS---KSNNDPNQLWTIKRDGTIR-----SNGSCLTTYGY----- 70
DB 168 DVNVEAFEDGNSGRCDNSLQRTGND---WIEVAFRTARQGDPSAKLCYNDYNIENWNA 223
QY 71 --TAGVYVMI-----FDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGKIGTTL 119
DB 224 AKTOAVYNNVRDFKSRGVPIDC-----VGFQSHFNSGNPNPNFRFTLQOFAAL-GVDV 276
QY 120 TVQTLDTYLGQWLAGNDTAPRE-----VTIYGRD-----LC 152
DB 277 EVTELDI-----ENAPAQTYASVIRDCIADVDRCTGIIWGVDRSDSWSRYSQNPL 326
QY 153 MESN-----GGSVWV-----ET 164
DB 327 FDNNGNKKQAYAVLDALNEGSDGGSPPNPVSPPPGGSGGQIRGVASNRCDIVPNGNT 386
QY 165 CDSOQ-----KNQKQWALYGDGSRIPKQNDQCLTSGRDSVSTVINIVSCSGASGS 215
DB 387 ADGTQVQLYDCHSGSNQ-QWYTSSEGEFRFGN--KCLDAGGSSNGAVVQIYSCWGA-N 442
QY 216 QRWVFTNEGAILNLKTGLAMD-VAQANPKLRRIIYPATGKPNQMW 260
DB 443 QKWELRADGTIVGVSGGLCLDAVGGGTGNGTRLQLYSCWGGNNQKW 488

RESULT 12
US-08-590-563-7
/ Sequence 7, Application US/08590563
/ Patent No. 6300114
/ GENERAL INFORMATION:
/ APPLICANT: M ntyl, Arja
/ APPLICANT: Vehmaanper, Jari
/ APPLICANT: Fagerstr m, Richard
/ APPLICANT: Lantto, Raija
/ APPLICANT: Paloheimo, Marja
/ APPLICANT: Suominen, Pirkko
/ APPLICANT: Lahtinen, Tarja
/ TITLE OF INVENTION: Production and Secretion of Proteins of
/ NUMBER OF SEQUENCES: 39
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
/ STREET: 1100 New York Ave., N.W. Suite 600
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
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/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/590,563
/ FILING DATE: 26-JAN-1996
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/468,812
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/332,412
/ FILING DATE: 31-OCT-1994
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/282,001
/ FILING DATE: 29-JUL-1994
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Bugalsky, Lawrence B.
/ REGISTRATION NUMBER: 35,086
/ REFERENCE/DOCKET NUMBER: 1050.0340003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-371-2600
/ TELEFAX: 202-371-2540
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 492 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ POSITION IN GENOME:
/ CHROMOSOME/SEGMENT: AM50
/ US-08-590-563-7

Query Match      8.8%; Score 124.5; DB 4; Length 492;
Best Local Similarity 20.8%; Pred. No. 0.00014;
Matches 72; Conservative 36; Mismatches 105; Indels 133; Gaps 17;

QY 23 DVRDDDFHGNQIQWLPS---KSNNDPNQLWTIKRDGTIR-----SNGSCLTTYGY----- 70
DB 168 DVNVEAFEDGNSGRCDNSLQRTGND---WIEVAFRTARQGDPSAKLCYNDYNIENWNA 223
QY 71 --TAGVYVMI-----FDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGKIGTTL 119
DB 224 AKTOAVYNNVRDFKSRGVPIDC-----VGFQSHFNSGNPNPNFRFTLQOFAAL-GVDV 276
QY 120 TVQTLDTYLGQWLAGNDTAPRE-----VTIYGRD-----LC 152
DB 277 EVTELDI-----ENAPAQTYASVIRDCIADVDRCTGIIWGVDRSDSWSRYSQNPL 326
QY 153 MESN-----GGSVWV-----ET 164
DB 327 FDNNGNKKQAYAVLDALNEGSDGGSPPNPVSPPPGGSGGQIRGVASNRCDIVPNGNT 386
QY 165 CDSOQ-----KNQKQWALYGDGSRIPKQNDQCLTSGRDSVSTVINIVSCSGASGS 215
DB 387 ADGTQVQLYDCHSGSNQ-QWYTSSEGEFRFGN--KCLDAGGSSNGAVVQIYSCWGA-N 442
QY 216 QRWVFTNEGAILNLKTGLAMD-VAQANPKLRRIIYPATGKPNQMW 260
DB 443 QKWELRADGTIVGVSGGLCLDAVGGGTGNGTRLQLYSCWGGNNQKW 488

RESULT 13
US-08-468-812-5
/ Sequence 5, Application US/08468812
/ Patent No. 5935836
/ GENERAL INFORMATION:
/ APPLICANT: Vehmaanper, Jari
/ APPLICANT: M ntyl, Arja
/ APPLICANT: Fagerstr m, Richard
/ APPLICANT: Lantto, Raija
```

APPLICANT: Lahtinen, Tarja
 TITLE OF INVENTION: Production and Secretion of Proteins of
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W. Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/590,563
 FILING DATE: 26-JAN-1996
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/468,812
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/332,412
 FILING DATE: 31-OCT-1994
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/282,001
 FILING DATE: 29-JUL-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Bugalsky, Lawrence B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 1050.0340003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 480 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: AM50
 US-08-590-563-5

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Query Match      8.6%; Score 122.5; DB 4; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.00022;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VDVRDDDFHDGNQIQIWPSSKSNDDPNLWTIKRDGTIRNSGS-CLTYYGTAGVYVMIFD 80
      ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| :
Db 379 IDVPNGNTADGTQVLYDCHSGS--NQOWTYTSSEGFRIEFGNKCLDAGGSNGAVQIYS 436

QY 81 CNTATREATIWIWDNGTIINPRSNLVLAASSGKGTTLTVQ 122
      : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| :
Db 437 CWGGANOK--WEIRADGTITVGVOSGLCLDVGCGTGNGTRILO 476

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RESULT 15
US-08-468-812-8
; Sequence 8, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntvl Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Ralja
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko

APPLICANT: Lahtinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
TITLE OF INVENTION: of Use
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 491 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: M64551
US-08-468-812-8

Query Match 8.6%; Score 122.5; DB 2; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.00023;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;
Qy 7 ASEP-----TVRIYGRNGMRVDRDDDFHGNQIQIQLWPSKSNNDPNOLWTIKRD 55
Db 354 SSEPXXXXXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQLWDCHSGT--NOOWAATDA 410
Qy 56 GTIRSNQ-SCLTITYGTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLA--SS 112
Db 411 GELRVYGDKCLDAAGTNGSKVQIYSCWGGDNQK--WRLNSDGSVVGVQSGLCGLDAVNG 468
Qy 113 GIKGTTLTVQTLDTYTLGGQW 132
Db 469 TANGTLIQLYTCNSGNSQNW 488

Search completed: March 22, 2003, 09:59:45
Job time : 10.1481 secs

Result No.	Score	Query %		DB	ID	Description
		Match	Length			
1	1320.5	93.0	263	10	US-09-347-064-10	Sequence 10, Appl
2	1320.5	93.0	267	10	US-09-347-064-4	Sequence 4, Appl
3	171	12.0	145	12	US-10-074-527-5	Sequence 5, Appl
4	127	8.9	135	9	US-09-973-457-5	Sequence 5, Appl
5	127	8.9	135	12	US-10-074-527-6	Sequence 6, Appl
6	122.5	8.6	480	10	US-09-770-621-5	Sequence 5, Appl
7	122.5	8.6	491	10	US-09-770-621-8	Sequence 8, Appl
8	122.5	8.6	492	10	US-09-770-621-4	Sequence 4, Appl
9	122.5	8.6	492	10	US-09-770-621-7	Sequence 7, Appl
10	103	7.2	612	12	US-10-001-851-25	Sequence 25, Appl
11	95	6.7	295	10	US-09-815-242-11833	Sequence 11833, A
12	93	6.5	1723	10	US-09-841-132-394	Sequence 394, Appl
13	93	6.5	1723	10	US-09-841-132-395	Sequence 395, Appl
14	92	6.5	2771	9	US-09-808-602-82	Sequence 82, Appl
15	89	6.3	770	10	US-09-815-656-31	Sequence 31, Appl
16	85.5	6.0	608	10	US-09-924-358-8	Sequence 8, Appl
17	84.5	6.0	239	10	US-09-910-071-15	Sequence 15, Appl
18	84	5.9	1848	9	US-09-819-996-6	Sequence 6, Appl
19	83	5.8	207	10	US-09-780-717-26	Sequence 26, Appl

QY	181	GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKKGPMADVAQA	240
Db	180	GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA	239
QY	241	NPKLRRIIYPATGKPNQMWLPV	263
Db	240	NPKLRRIIYPATGKPNQMWLPV	262

RESULT 2

US-09-347-064-4

US-09-347-064-4

Sequence 4, Application US/09347064A

Patent No. US20020045208A1

GENERAL INFORMATION:

APPLICANT: Eck, Jurgen

APPLICANT: Schmidt, Arno

APPLICANT: Zinke, Holger

TITLE OF INVENTION: Recombinant Fusion Proteins Based on

TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

TITLE OF INVENTION: album

FILE REFERENCE: 09282-5

CURRENT APPLICATION NUMBER: US/09/347,064A

CURRENT FILING DATE: 1999-07-02

EARLIER APPLICATION NUMBER: PCT/EP98/00009

EARLIER FILING DATE: 1998-01-02

EARLIER APPLICATION NUMBER: EP 97 10 0012.0

EARLIER FILING DATE: 1997-01-02

NUMBER OF SEQ ID NOS: 38

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 4

LENGTH: 267

TYPE: PRT

ORGANISM: Viscum album

US-09-347-064-4

Query Match

Best Local Similarity 93.0%; Score 1320.5; DB 10; Length 267;

Best Local Similarity 94.7%; Pred. No. 2.3e-114;

Matches 249; Conservative 2; Mismatches 11; Indels 1; Gaps

QY 1 DDVTCASAEPTVRIVGRNGMRVYRDDDDFDGNGQIQLPWPSKNNNDPNQLWTIKRDGTIRS 60

Db 1 DDVTCASAEPTVRIVGRNGMCDVYRDDDDFDGNGQIQLPWPSKNNNDPNQLWTIKRDGTIRS 60

QY 61 NGSCLTYYGTAGVYVMIFDCNTAVREATIWIWDNGTIIINPSNLVLAASSGIGKGTILT 120

Db 61 NGSCLTYYGTAGVYVMIFDCNTAVREATLWQIWNGTIIINPSNLVLAASSGIGKGTILT 120

QY 121 VQTLDTYTLGQGLAGNDTAPREVTIYFPRDLCMESNGSGSVVWVETCDSSQKQKQWALYGD 180

Db 121 VQTLDTYTLGQGLAGNDTAPREVTIYFPRDLCMESNGSGSVVWVETCVSSQKQ-RWALYGD 179

QY 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKKGPMADVAQA 240

Db 180 GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRWVFTNEGAILNLKGLAMDVAQA 239

QY 241 NPKLRRIIYPATGKPNQMWLPV 263

Db 240 NPKLRRIIYPATGKPNQMWLPV 262

RESULT 3

US-10-074-527-5

Sequence 5, Application US/10074527

Patent No. US20020142426A1

GENERAL INFORMATION:

APPLICANT: Olandt, Peter J.

APPLICANT: Meyers, Rachel E.

APPLICANT: Galvin, Katherine A.

APPLICANT: Millennium Pharmaceuticals Inc.

TITLE OF INVENTION: 33945, A Human Glycosyltransferase and

TITLE OF INVENTION: Uses Therefor

FILE REFERENCE: MPI2001-018P1RC1(M)

CURRENT APPLICATION NUMBER: US/10/074-527

Patent No. US20020142426A1

GENERAL INFORMATION:
 APPLICANT: Olandt, Peter J.
 APPLICANT: Meyers, Rachel E.
 APPLICANT: Galvin, Katherine A.
 APPLICANT: Millennium Pharmaceuticals Inc.
 TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
 TITLE OF INVENTION: Uses Therefor
 FILE REFERENCE: MPI2001-018P1KCP1(M)
 CURRENT APPLICATION NUMBER: US/10/074,527
 CURRENT FILING DATE: 2002-02-12
 PRIOR APPLICATION NUMBER: 60/269202
 PRIOR FILING DATE: 2001-02-15
 NUMBER OF SEQ ID NOS: 9
 SOFTWARE: PastSeq for Windows Version 4.0
 SEQ ID NO 6
 LENGTH: 135
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: consensus
 US-10-074-527-6

Query Match 8.9%; Score 127; DB 12; Length 135;
 Best Local Similarity 25.7%; Pred. No. 0.00015;
 Matches 44; Conservative 20; Mismatches 53; Indels 54; Gaps 9;

QY 14 IVCGRNMRVDV--RDDDFHGNQIQLPWKSNNDPNQLWTI---KRDGTIRNGS-CLTT 67
 Db 7 IGGTGLCLDVNGSESKSDGNVPQVLDWCHGGG--NQLWKLTYNESDGAIRNSDLCLTV 64
 QY 68 YGYTAGVYVWIFDNTAVR--EATIQIWDNGTIINPRSNLVLAASSGKIGTTLTVQILD 125
 Db 65 NG-----TWLISCDGTGKNDNQKVEVNDGRTIRPK--NSKKGVDSG----- 106
 QY 126 YTLGQGLAGNDTAPREVTIYGFRLDIME--SNGGSVWVETCDSSQKNGKW 175
 Db 107 -----LCLDVKGKQVLTWCNGSDAPNQKW 132

RESULT 6

US-09-770-621-5
 Sequence 5, Application US/09770621
 Patent No. US20010024815A1
 GENERAL INFORMATION:
 APPLICANT: M ntyl, Arja
 APPLICANT: Vehmaanper, Jari
 APPLICANT: Fagerstr m, Richard
 APPLICANT: Lantto, Raija
 APPLICANT: Paloheimo, Marja
 APPLICANT: Suominen, Pirkko
 APPLICANT: Lahtinen, Tarja
 TITLE OF INVENTION: Production and Secretion of Proteins of
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W. Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/770,621
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/590,563
 FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/332,412
 FILING DATE: 31-OCT-1994
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/282,001
 FILING DATE: 29-JUL-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Bugaisky, Lawrence B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 1050.0340003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 480 amino acids
 TYPE: amino acid
 STRANDEDNESS: No. US20010024815A1 relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: AM50
 US-09-770-621-5

Query Match 8.6%; Score 122.5; DB 10; Length 480;
 Best Local Similarity 32.4%; Pred. No. 0.002;
 Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;
 QY 22 VVDRDDFHGNQIQLPWKSNNDPNQLWTIKRDGTIRNGS-CLTTYGYTAGVYVWIFD 80
 Db 379 IDVPNGMTADGTQVQLYDCHSGS--NQQWTVTSSGEPRIFGNKLCDAGSGSNGAVVQIYS 436
 QY 81 CNTAVREATIQIWDNGTIINPRSNLVLAASSGKIGTTLTVQ 122
 Db 437 CWGGANOK--WELRADGTIVGVQSGCLCDVAVGGTGNGTRLQ 476

RESULT 7

US-09-770-621-8
 Sequence 8, Application US/09770621
 Patent No. US20010024815A1
 GENERAL INFORMATION:
 APPLICANT: M ntyl, Arja
 APPLICANT: Vehmaanper, Jari
 APPLICANT: Fagerstr m, Richard
 APPLICANT: Lantto, Raija
 APPLICANT: Paloheimo, Marja
 APPLICANT: Suominen, Pirkko
 APPLICANT: Lahtinen, Tarja
 TITLE OF INVENTION: Production and Secretion of Proteins of
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W. Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/770,621
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/590,563
 FILING DATE:

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 491 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20010024815A1 Relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
;
US-09-770-621-8
;
Query Match 8.6%; Score 122.5; DB 10; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.002;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;

QY 7 ASEP-----TVRIVGRNMRVDVDDDFHDGNGIQIOWPSSKNNNDPNQLWTIKRD 55
DB 354 SEPPXXXXXADGQIKGVG-SGRCLVDPASTSDGTQLQLWCHSGT--NQQWATDA 410
QY '56 GTIRSG-SCLTYYGTAGVYVIMFDNCNTAVREATIWIWDNGTIINPRSNLVLA--SS 112
DB 411 GELRVYGDKCLDAAGTSNGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDAVGVG 468
QY 113 GIKGTLITVOTLDYILGQW 132
DB 469 TANGTLIQLYTCNSNGSNQRW 488

RESULT 8
; Sequence 4, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-770-621-4
;
Query Match 8.6%; Score 122.5; DB 10; Length 492;
Best Local Similarity 32.4%; Pred. No. 0.002;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VVRRDDDFHDGNGIQIOWPSSKNNNDPNQLWTIKRDGTIRSGS-CLTTYGYTAGVYVIMFD 80
DB 379 IDVPNGTADGTQVQLYDCHSGS--NQQWYTSGSFRIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWDNGTIINPRSNLVLAASSGIKGTTLTVQ 122
DB 437 CWGGANQK--WELRADGTIVGVQSGLCGLDAVGGGTGNGTRLQ 476

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RESULT 9
; Sequence 7, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:

```


; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: Fast-SEQ for Windows Version 3.0/4.0
; SEQ ID NO 394
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-394

Query Match 6.5%; Score 93; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 5.5;
Matches 60; Conservative 29; Mismatches 82; Indels 96; Gaps 10;
Qy 59 RNSGSLTYGYT--AGVYVIMFPCNTA-----VREATIWOIWDN-----G 97
Db 231 KSGGAAYTEGALTQAIVAEVFTGNTSAGCGGAIYVKEATLFNALDSLKFKNKTSQAG 290
Qy 98 TIINPRNLVL-----AASGIGKTTLTVOTL-----124
Db 291 GGIYTESTLNTSITKSTIEFISNKASVPAPAPEPTSPAPSSLINSTIDTSTLTQTRAASA 350
Qy 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCHMESNGSVVWE--TCD 166
Db 351 TPAVAPVAAVTPTPISTQETAGN--GAIYAKOGISISTFKDLTFKSNASVDATLTVD 407
Qy 167 SSOKNQKWALYDGSIRPKNQDCLTSGRD-----SVSTVINIV-----S 208
Db 408 SSTIGESGAIFAADSIOQCTGTLFSGNTANKSGGGIYAVGQVLTLEDIANLKMNTNT 467
Qy 209 CSGASG---SORWVFTNEGAILNLKKG 232
Db 468 CKGEGGAIYTKKALTINNGAILTTFSG 494

RESULT 13

US-09-841-132-395
; Sequence 395, Application US/09841132
; Patent No. US20020061848A1
; GENERAL INFORMATION:

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: Fast-SEQ for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

Query Match 6.5%; Score 93; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 5.5;
Matches 60; Conservative 29; Mismatches 82; Indels 96; Gaps 10;
Qy 59 RNSGSLTYGYT--AGVYVIMFPCNTA-----VREATIWOIWDN-----G 97
Db 231 KSGGAAYTEGALTQAIVAEVFTGNTSAGCGGAIYVKEATLFNALDSLKFKNKTSQAG 290
Qy 98 TIINPRNLVL-----AASGIGKTTLTVOTL-----124
Db 291 GGIYTESTLNTSITKSTIEFISNKASVPAPAPEPTSPAPSSLINSTIDTSTLTQTRAASA 350

Qy 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCHMESNGSVVWE--TCD 166
Db 351 TPAVAPVAAVTPTPISTQETAGN--GAIYAKOGISISTFKDLTFKSNASVDATLTVD 407
Qy 167 SSOKNQKWALYDGSIRPKNQDCLTSGRD-----SVSTVINIV-----S 208
Db 408 SSTIGESGAIFAADSIOQCTGTLFSGNTANKSGGGIYAVGQVLTLEDIANLKMNTNT 467
Qy 209 CSGASG---SORWVFTNEGAILNLKKG 232
Db 468 CKGEGGAIYTKKALTINNGAILTTFSG 494

RESULT 14

US-09-808-602-82
; Sequence 82, Application US/09808602
; Patent No. US20020155115A1
; GENERAL INFORMATION:

; APPLICANT: Vernet, Corine A
; APPLICANT: Fernandes, Elma
; APPLICANT: Shimkets, Richard A
; APPLICANT: Herrman, John L
; APPLICANT: Majumder, Kumud
; APPLICANT: Mishra, Vishnu
; APPLICANT: Mezes, Peter S
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: No. US20020155115A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-697 CIP
; CURRENT APPLICATION NUMBER: US/09/808,602
; CURRENT FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 09/800,198
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 60/186,596
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 82
; LENGTH: 2771
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-808-602-82

Query Match 6.5%; Score 92; DB 9; Length 2771;

Best Local Similarity 23.8%; Pred. No. 13;

Matches 58; Conservative 27; Mismatches 89; Indels 70; Gaps 13;

Qy 60 SNGSCLTYGYTAGVYVIMFPCNTAVREATIWOIWD-NGTIINPRNLVLAASGIGKTT 118
Db 1593 TSGKHLTYQSLPTGDLYNF--TYTGDGDTHTDNNGNMNVNRDST-----GMP 1641
Qy 119 LTVOTLDYTLGQ-GWLA-GNDTAPREVITYGFRDLCHMESNGSVVWETCDSSOKNOGKWA 176
Db 1642 LMLVVPD---QGVYVWTGNTSALRSVTTQGHAMMTYHNGNSGLLAT-----KSNENGWT 1694
Qy 177 LYGD-----GSIRPKQND---QCLTSGRDSVSTVINIVSCS-----210
Db 1695 TPEYDVSFGRLTNVTFTPTGQVSSFRSDTSSVHVQVETSSKDDVTITTNLSASGAFYTL 1754
Qy 211 -----GASGSQVWFTNEGAILNLKKGPAWDVA-QANPKLRRIIYIPATGKPNQM 259
Db 1755 QDQVRNSYIIGADGSLRLLAN-----GMEVALQTEPHLLAGTVPNTVTKGRN-V 1802
Qy 260 WLPV 263
Db 1803 TLPI 1806

RESULT 15

US-09-815-656-31
; Sequence 31, Application US/09815656
; Patent No. US20010041331A1
; GENERAL INFORMATION:

Search completed: March 22, 2003, 10:37:35
Job time : 13.2764 secs



GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-10
Perfect score: 1420
Sequence: 1 DDVTCASEPTVIRVGRNGM.....RRIIYPATGKNQMWLPV 264

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCRTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	1320.5	93.0	263	4 US-08-776-059-43
2	1320.5	93.0	264	4 US-08-776-059-33
3	1320.5	93.0	564	4 US-08-776-059-35
4	770.5	54.3	540	1 US-08-378-761A-77
5	770.5	54.3	540	1 US-08-485-286-77
6	182.5	12.9	293	4 US-09-512-342-14
7	136	9.6	132	4 US-09-159-106-15
8	136	9.6	435	4 US-09-159-106-11
9	122.5	8.6	480	2 US-08-468-812-5
10	122.5	8.6	480	4 US-08-590-563-5
11	122.5	8.6	491	2 US-08-468-812-8
12	122.5	8.6	491	4 US-08-590-563-8
13	122.5	8.6	492	2 US-08-468-812-4
14	122.5	8.6	492	2 US-08-468-812-7
15	122.5	8.6	492	4 US-08-590-563-4
16	122.5	8.6	492	4 US-08-590-563-7
17	122	8.6	127	1 US-08-392-828C-39
18	122	8.6	127	3 US-09-330-945-39
19	106	7.5	507	4 US-09-130-337A-25
20	89	6.3	770	4 US-08-245-248B-31
21	88	6.2	1687	2 US-08-570-311-29
22	88	6.2	1704	3 US-08-336-308A-10
23	88	6.2	1704	3 US-08-822-324-6
24	88	6.2	1704	4 US-09-490-931-10
25	87.5	6.2	553	1 US-08-565-386-6
26	86.5	6.1	420	2 US-08-282-197C-63
27	86.5	6.1	420	2 US-08-282-197C-66

28	85.5	6.0	1073	4	US-09-206-942-49	Sequence 49, Appl
29	85.5	6.0	1079	4	US-09-206-942-47	Sequence 47, Appl
30	84	5.9	1087	2	US-08-570-311-8	Sequence 8, Appl
31	84	5.9	1087	2	US-08-353-485-8	Sequence 8, Appl
32	84	5.9	1358	2	US-08-570-311-27	Sequence 27, Appl
33	84	5.9	1848	4	US-08-296-791-6	Sequence 6, Appl
34	84	5.9	1848	5	PCT-US95-10661A-6	Sequence 6, Appl
35	83	5.8	1912	1	US-08-409-995-4	Sequence 4, Appl
36	83	5.8	1912	3	US-08-685-467-4	Sequence 4, Appl
37	83	5.8	2353	4	US-09-377-155-33	Sequence 33, Appl
38	83	5.8	2353	4	US-08-913-942-4	Sequence 4, Appl
39	83	5.8	2353	4	US-09-669-974-33	Sequence 33, Appl
40	83	5.8	2354	4	US-09-368-347-47	Sequence 47, Appl
41	83	5.8	2411	4	US-09-268-347-36	Sequence 36, Appl
42	82.5	5.8	1541	4	US-08-296-791-3	Sequence 3, Appl
43	82.5	5.8	1541	5	PCT-US95-10661A-3	Sequence 3, Appl
44	82.5	5.8	1732	2	US-08-570-311-10	Sequence 10, Appl
45	82.5	5.8	1732	2	US-08-353-485-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 93.0%; Score 1320.5; DB 4; Length 263;
Best Local Similarity 94.7%; Pred. No. 1.6e-128;
Matches 249; Conservative 2; Mismatches 11; Indels 1; Gaps 1;

QY	1	DDVTCASEPTVIRVGRNGMRVDRDDFDGNGIQIOLWPSKSNNDPNQWTKIKRDGTIRS	60
Db	1	DDVTCASEPTVIRVGRNGMCDVDRDDFDGNGIQIOLWPSKSNNDPNQWTKIKRDGTIRS	60
QY	61	NGSLCTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT	120
Db	61	NGSLCTTYGTAGVYVIMFDCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT	120
QY	121	VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLMESNGSVWVETCDSSOKNOCKWALYGD	180
Db	121	VQTLDTYTLGGWLAGNDTAPREVTIYGFRLDLMESNGSVWVETCDSSOKNOCKWALYGD	179
QY	181	GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRVFTNEGAILNLKKGPMADVAQA	240
Db	180	GSIRPKQNDQCLTSGRDSVSTVINIVSCSAGSGQRVFTNEGAILNLKKGPMADVAQA	239
QY	241	NPKLRIIYPATGKNQMWLPV	263
Db	240	NPKLRIIYPATGKNQMWLPV	262

RESULT 2

US-08-776-059-33
 ; Sequence 33, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776, 059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 33
 ; LENGTH: 264
 ; TYPE: PRT
 ; ORGANISM: Viscum album
 US-08-776-059-33

Query Match 93.0%; Score 1320.5; DB 4; Length 264;
 Best Local Similarity 94.7%; Pred. No. 1.6e-128;
 Matches 249; Conservative 2; Mismatches 11; Indels 1; Gaps 1;
 QY 1 DDVTCASEPTVRIVGRNGMRVDRDDDFHGNQIQLPWPSKSNNDPNQMTIKRDGTIRS 60
 DB 2 DDVTCASEPTVRIVGRNGMCDVRDDDFRDNQIQLPWPSKSNNDPNQMTIKRDGTIRS 61
 QY 61 NGSCLTYYGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIKGTTLT 120
 DB 62 NGSCLTYYGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIKGTTLT 121
 QY 121 VOTLDYTLGGQWLAGNDTAPREVTIYGRDLCMESNGSGVWVETCDSSQKNQKQWALYGD 180
 DB 122 VOTLDYTLGGQWLAGNDTAPREVTIYGRDLCMESNGSGVWVETCDSSQKNQ-RWALYGD 180
 QY 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGSQRWVFTNEGAILNLKKGPMADVAQA 240
 DB 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGSQRWVFTNEGAILNLKKGPMADVAQA 240
 QY 241 NPKLRRIIYPATGKPNQWMLPV 263
 DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 3

US-08-776-059-35
 ; Sequence 35, Application US/08776059B
 ; Patent No. 6271368
 ; GENERAL INFORMATION:
 ; APPLICANT: LENTZEN, Hans
 ; APPLICANT: ECK, Jurgen
 ; APPLICANT: BAUR, Axel
 ; APPLICANT: ZINKE, Holger
 ; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
 ; FILE REFERENCE: 674503-2003
 ; CURRENT APPLICATION NUMBER: US/08/776, 059B
 ; CURRENT FILING DATE: 1999-06-19
 ; EARLIER APPLICATION NUMBER: PCT/EP96/02273
 ; EARLIER FILING DATE: 1996-06-25
 ; EARLIER APPLICATION NUMBER: 95109949.8
 ; EARLIER FILING DATE: 1995-06-26
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 35
 ; LENGTH: 564
 ; TYPE: PRT
 ; ORGANISM: Viscum album

US-08-776-059-35

Query Match 93.0%; Score 1320.5; DB 4; Length 564;
 Best Local Similarity 94.7%; Pred. No. 4.9e-128;
 Matches 249; Conservative 2; Mismatches 11; Indels 1; Gaps 1;
 QY 1 DDVTCASEPTVRIVGRNGMRVDRDDDFHGNQIQLPWPSKSNNDPNQMTIKRDGTIRS 60
 DB 302 DDVTCASEPTVRIVGRNGMCDVRDDDFRDNQIQLPWPSKSNNDPNQMTIKRDGTIRS 361
 QY 61 NGSCLTYYGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIKGTTLT 120
 DB 362 NGSCLTYYGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIKGTTLT 421
 QY 121 VOTLDYTLGGQWLAGNDTAPREVTIYGRDLCMESNGSGVWVETCDSSQKNQKQWALYGD 180
 DB 422 VOTLDYTLGGQWLAGNDTAPREVTIYGRDLCMESNGSGVWVETCDSSQKNQ-RWALYGD 480
 QY 181 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGSQRWVFTNEGAILNLKKGPMADVAQA 240
 DB 481 GSIRPKQNDQCLTGRDSVSTVINIVSCSAGSGSQRWVFTNEGAILNLKKGPMADVAQA 540
 QY 241 NPKLRRIIYPATGKPNQWMLPV 263
 DB 541 NPKLRRIIYPATGKPNQWMLPV 563

RESULT 4

US-08-378-761A-77
 ; Sequence 77, Application US/08378761A
 ; Patent No. 5635384
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE BR
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/378,761A
 ; FILING DATE: 26-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-378-761A-77

Query Match 54.3%; Score 770.5; DB 1; Length 540;
 Best Local Similarity 55.4%; Pred. No. 3.2e-71;
 Matches 144; Conservative 41; Mismatches 74; Indels 1; Gaps 1;

QY 5 CSASEPTVRIVGRNGMRVDRDDDFHGNQIOLWPSKSNNDPNQNLWTIKRDGTIRSNQSC 64
 Db 282 CNDPEPIVIVGRNGLCVDTGEEFFDGNPIQLWPCKSNTDNQNLWTLRKDSTIRSNQSC 341
 QY 65 LTTGYTAGVYVMIFFDCNTAVREATIWOIWDNGTIINPRSNLVLAASSGIGKGTTLTVOTL 124
 Db 342 LTIKSSPRQOVVYINCSTATVATRWQIWDNRITINPRSGVLVAATSGNSGTCLTVQTN 401
 QY 125 DYTLOGWLAGNDTAPREVTIYGFRLDLCMESNGGSVWVETCDSSOKNOCKWALYDGSIR 184
 Db 402 IYAVSQGLPTNTQPFVTTIVGLYGMCLQANSKWLEDC-TSEKABQOQWALYDGSIR 460
 QY 185 PKONQOCLTSGRDSVSTVINIVSCGASGORSORWVFTNEGAILNLKKGPMAMDVAQANPKL 244
 Db 461 PQNRDNCCLTTDANIKGTIVKILSCGPASSGQRMWFKNDGTILNLYGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQWMLPVF 264
 Db 521 KQIIVHPFHGNLNIWLPLF 540

RESULT 5

US-08-485-286-77

; Sequence 77, Application US/08485286

; Patent No. 5646026

; Patent No. 5646026 5646119

; GENERAL INFORMATION:

; APPLICANT: WALSH, TERENCE A

; APPLICANT: HEY, TIMOTHY D

; APPLICANT: MORGAN, ALICE ER

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF

; TITLE OF INVENTION: USING

; NUMBER OF SEQUENCES: 81

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: ANDREA T. BORUCKI

; STREET: 9330 ZIONSVILLE ROAD

; CITY: INDIANAPOLIS

; STATE: IN

; COUNTRY: US

; ZIP: 46268

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/485,286

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/378761

; FILING DATE: 26-JAN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: BORUCKI, ANDREA T

; REGISTRATION NUMBER: 33651

; REFERENCE/DOCKET NUMBER: 38272B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (317) 337-4846

; INFORMATION FOR SEQ ID NO: 77:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 540 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-485-286-77

Query Match

Best Local Similarity 54.3%; Score 770.5; DB 1; Length 540;

Matches 144; Conservative 41; Mismatches 74; Indels 1; Gaps 1;

QY 5 CSASEPTVRIVGRNGMRVDRDDDFHGNQIOLWPSKSNNDPNQNLWTIKRDGTIRSNQSC 64
 Db 282 CNDPEPIVIVGRNGLCVDTGEEFFDGNPIQLWPCKSNTDNQNLWTLRKDSTIRSNQSC 341
 QY 65 LTTGYTAGVYVMIFFDCNTAVREATIWOIWDNGTIINPRSNLVLAASSGIGKGTTLTVOTL 124
 Db 342 LTIKSSPRQOVVYINCSTATVATRWQIWDNRITINPRSGVLVAATSGNSGTCLTVQTN 401
 QY 125 DYTLOGWLAGNDTAPREVTIYGFRLDLCMESNGGSVWVETCDSSOKNOCKWALYDGSIR 184
 Db 402 IYAVSQGLPTNTQPFVTTIVGLYGMCLQANSKWLEDC-TSEKABQOQWALYDGSIR 460
 QY 185 PKONQOCLTSGRDSVSTVINIVSCGASGORSORWVFTNEGAILNLKKGPMAMDVAQANPKL 244
 Db 461 PQNRDNCCLTTDANIKGTIVKILSCGPASSGQRMWFKNDGTILNLYGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQWMLPVF 264
 Db 521 KQIIVHPFHGNLNIWLPLF 540

RESULT 6

US-09-512-342-14

; Sequence 14, Application US/09512342

; Patent No. 6388068

; GENERAL INFORMATION:

; APPLICANT: SATOH, SHINORU

; APPLICANT: MASUDA, SUSUMU

; TITLE OF INVENTION: METHOD FOR PRODUCING FOREIGN POLYPEPTIDE IN PLANT

; TITLE OF INVENTION: INTERCELLULAR FLUID

; FILE REFERENCE: 081356/0142

; CURRENT APPLICATION NUMBER: US/09/512,342

; CURRENT FILING DATE: 2000-02-24

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: Patent in Ver. 2.1

; SEQ ID NO 14

; LENGTH: 293

; TYPE: PRT

; ORGANISM: Cucumis sativus

US-09-512-342-14

Query Match

Best Local Similarity 28.1%; Score 182.5; DB 4; Length 293;

Matches 63; Conservative 31; Mismatches 91; Indels 39; Gaps 10;

QY 14 IVGRNGMRVDRDDDFHGNQIOLW-----PSK-----SNNDPNQNLWTIKRDGTIR-- 59
 Db 41 LVGRDGLCLEMSP-----WYKPAGINFPTRLSPCDEKKQTLWTIVGDGTIRPM 89
 QY 60 SNGSLTT---YGYTAGVYVMIFFDCNTAVREATIWOIWDNGTIINPRSNLVLAASSGIGK 116
 Db 90 NDKFCCLAAEVFYGVIN--KAVVSECGKVSPPNKKTKQNDGTIALVDSRMLTGDLDY-- 145
 QY 117 TLTIVQTLDTYLOGWLAGNDTAPREVTIYGFRLDLCMESNGGS--VWVETCDSSOKNOCK 174
 Db 146 --VTLOSNKYTPSQSWEVTELSNMVANIENLNLCLQSTDSSHHVGLNGCNTDNKYQ-R 202
 QY 175 WALYDGSIRPKONQOCLTSGRDSVSTVINIVSCGASGORSQW 218
 Db 203 WALYADGTIRQHVNNKNYCLTSDQDQDFGRFV--VVSCKEDKPKQQRW 244

RESULT 7

US-09-159-106-15

; Sequence 15, Application US/09159106

; Patent No. 6284509

; GENERAL INFORMATION:

; APPLICANT: Ferrer, Pau

; APPLICANT: Diers, Ivan

; APPLICANT: Halkier, Torben

; APPLICANT: Hedegaard, Lisbeth

; TITLE OF INVENTION: An Enzyme with -1,3-Glucanase

; TITLE OF INVENTION: Activity

```

; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match          9.6%; Score 136; DB 4; Length 132;
Best Local Similarity 36.3%; Pred. No. 1.5e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

QY 18 NGMRVDDDDFDHGNQIQWLPSKSNNDPNQWLTKRGTIRNSGSLTTY--GYTAGVY 75
DB 14 NGMCVDVPWADPTDGNPQIVTCSEN--AAQTWTRGSDGTVRALGKCLDVRDGSSTRGAA 71

QY 76 VMIFDCNTAVREATIWIQW--DNGT--IINPRSNLVLAASSGI---KGTTLTIVOTLDYTL 128
DB 72 VQWTCN-----GTGAOKWAYDAGSKALRNPSQGLCLDGTGAPLRDQRLQVTCNGTT 126

QY 129 GQGW 132
DB 127 AQOW 130

RESULT 8
US-09-159-106-11
; Sequence 11, Application US/09159106
; Patent No. 6284509
; GENERAL INFORMATION:
; APPLICANT: Ferrer, Pau
; APPLICANT: Diers, Ivan
; APPLICANT: Halkier, Torben
; APPLICANT: Hedegaard, Lisbeth
; TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
; TITLE OF INVENTION: Activity
; FILE REFERENCE: 4693.204-US
; CURRENT APPLICATION NUMBER: US/09/159,106
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: 0427/96
; EARLIER FILING DATE: 1996-12-04
; EARLIER APPLICATION NUMBER: 0885/96
; EARLIER FILING DATE: 1996-08-23
; EARLIER APPLICATION NUMBER: PCT/DK97/00160
; EARLIER FILING DATE: 1997-04-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match          9.6%; Score 136; DB 4; Length 435;
Best Local Similarity 36.3%; Pred. No. 8.7e-06;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

QY 18 NGMRVDDDDFDHGNQIQWLPSKSNNDPNQWLTKRGTIRNSGSLTTY--GYTAGVY 75
DB 317 NGMCVDVPWADPTDGNPQIVTCSEN--AAQTWTRGSDGTVRALGKCLDVRDGSSTRGAA 374

QY 76 VMIFDCNTAVREATIWIQW--DNGT--IINPRSNLVLAASSGI---KGTTLTIVOTLDYTL 128
DB 375 VQWTCN-----GTGAOKWAYDAGSKALRNPSQGLCLDGTGAPLRDQRLQVTCNGTT 429

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QY 129 GQGW 132
DB 430 AQOW 433

RESULT 9
US-08-468-812-5
; Sequence 5, Application US/08468812
; Patent No. 5915836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
; US-08-468-812-5

Query Match          8.6%; Score 122.5; DB 2; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.00025;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VVDRDDDDFDHGNQIQWLPSKSNNDPNQWLTKRGTIRNSGSLTTYGYTAGVYVMIFD 80
DB 379 IDVFNNGNTADGTQVQLYDCHSGS--NQOWTYSSEGFIFGNKCLDAGSSNGAVVQIYS 436

QY 81 CNTAVREATIWIQW--DNGT--IINPRSNLVLAASSGIKGTTLTIVQ 122

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QY 81 CNTAVREATIWIWDNGTIINPRSNLVLAASSGIGKGTTLTVQ 122
Db 437 CWGGANQK--WELRADGTIVGVQSGLCILDVAGGTTGNGTRLQ 476

RESULT 14
US-08-468-812-7
; Sequence 7, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper, Jari
; APPLICANT: M ntyl, Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; TITLE OF INVENTION: of Use
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: US/08/468,812
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50

Query Match 8.6%; Score 122.5; DB 2; Length 492;
Best Local Similarity 32.4%; Pred. No. 0.00026;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VDVRDDDFHGNQIQLPWPSKNNDPNQLWTKEDGTIRNGS-CLTTYGYTAGVYVMIFD 80
Db 379 IDVPNGTADGTQVLYDCHSGS--NQWYTYSSGFEFRIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWDNGTIINPRSNLVLAASSGIGKGTTLTVQ 122

Db 437 CWGGANQK--WELRADGTIVGVQSGLCILDVAGGTTGNGTRLQ 476

RESULT 15
US-08-590-563-4
; Sequence 4, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl, Arja
; APPLICANT: Vehmaanper, Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 26-JAN-1996
; APPLICATION NUMBER: US/08/590,563
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-590-563-4

Query Match 8.6%; Score 122.5; DB 4; Length 492;
Best Local Similarity 32.4%; Pred. No. 0.00026;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VDVRDDDFHGNQIQLPWPSKNNDPNQLWTKEDGTIRNGS-CLTTYGYTAGVYVMIFD 80
Db 379 IDVPNGTADGTQVLYDCHSGS--NQWYTYSSGFEFRIFGNKCLDAGSSNGAVVQIYS 436
QY 81 CNTAVREATIWIWDNGTIINPRSNLVLAASSGIGKGTTLTVQ 122
Db 437 CWGGANQK--WELRADGTIVGVQSGLCILDVAGGTTGNGTRLQ 476

Sat Mar 22 10:41:07 2003

us-09-601-667c-10.ra1

Page 8

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Job time : 9.14815 secs

GenCore version 5.1.4 p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 9.27635 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-11

Perfect score: 1416

Sequence: 1 DDVTCASPTVRIVGRNGM.....RRILIPATGKNQMWLPVF 264

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Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW PUB.pdp.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW PUB.pdp.*
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12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pdp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1318.5	93.1	263	10	US-09-347-064-10
2	1318.5	93.1	267	10	US-09-347-064-4
3	127.1	12.1	145	12	US-10-074-527-5
4	127.1	9.0	135	9	US-09-973-457-5
5	127.1	9.0	135	12	US-10-074-527-6
6	122.5	8.7	480	10	US-09-770-621-5
7	122.5	8.7	491	10	US-09-770-621-8
8	122.5	8.7	492	10	US-09-770-621-4
9	122.5	8.7	492	10	US-09-770-621-7
10	98.6	6.9	612	12	US-10-001-851-25
11	95.6	6.7	295	10	US-09-815-242-11833
12	91.6	6.4	1723	10	US-09-841-132-394
13	91.6	6.4	1723	10	US-09-841-132-395
14	90.5	6.4	770	10	US-09-815-656-31
15	88.5	6.2	239	10	US-09-910-071-15
16	86.6	6.1	2771	9	US-09-808-602-82
17	83.5	5.9	2353	10	US-09-797-862-33
18	82.5	5.8	836	9	US-09-858-525A-10
19	82.5	5.8	871	9	US-09-858-525A-2

20	81	5.7	1781	9	US-09-995-749A-2	Sequence 2, Appli
21	80.5	5.7	559	12	US-10-001-851-23	Sequence 23, Appli
22	80.5	5.7	722	10	US-09-815-242-12888	Sequence 12888, A
23	80.5	5.7	991	10	US-09-815-242-5803	Sequence 5803, Ap
24	80.5	5.7	4545	10	US-09-873-403-2	Sequence 2, Appli
25	79	5.6	626	12	US-10-001-851-27	Sequence 27, Appli
26	79	5.6	770	9	US-09-992-896-9	Sequence 9, Appli
27	77.5	5.5	425	9	US-09-813-398-32	Sequence 32, Appli
28	77.5	5.5	3571	9	US-10-150-821-2	Sequence 2, Appli
29	77.5	5.5	3571	10	US-09-911-842-2	Sequence 2, Appli
30	77	5.4	925	10	US-09-452-380-4	Sequence 4, Appli
31	77	5.4	936	10	US-09-452-380-3	Sequence 3, Appli
32	77	5.4	1737	9	US-09-808-602-83	Sequence 83, Appli
33	77	5.4	2724	9	US-09-808-602-13	Sequence 13, Appli
34	77	5.4	2733	9	US-09-808-602-8	Sequence 8, Appli
35	76.5	5.4	448	9	US-10-265-593-2	Sequence 2, Appli
36	76.5	5.4	559	12	US-10-001-851-24	Sequence 24, Appli
37	76.5	5.4	1536	9	US-10-092-880-2	Sequence 2, Appli
38	76	5.4	1848	9	US-09-839-396-6	Sequence 6, Appli
39	75.5	5.3	356	9	US-09-976-059-8	Sequence 8, Appli
40	75.5	5.3	608	10	US-09-924-358-8	Sequence 8, Appli
41	75.5	5.3	1541	9	US-09-839-996-3	Sequence 3, Appli
42	75	5.3	207	10	US-09-780-717-26	Sequence 26, Appli
43	75	5.3	330	9	US-10-084-700-27	Sequence 27, Appli
44	75	5.3	434	10	US-09-770-621-6	Sequence 6, Appli
45	75	5.3	466	10	US-09-741-669-303	Sequence 303, App

ALIGNMENTS

RESULT 1

US-09-347-064-10

; Sequence 10, Application US/09347064A

; Patent No. US20020045208A1

; GENERAL INFORMATION:

; APPLICANT: Eck, Jurgen

; APPLICANT: Schmidt, Arno

; APPLICANT: Zinke, Holger

; TITLE OF INVENTION: Recombinant Fusion Proteins Based on

; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

; TITLE OF INVENTION: album

; FILE REFERENCE: 09282-5

; CURRENT APPLICATION NUMBER: US/09/347,064A

; EARLIER FILING DATE: 1999-07-02

; EARLIER APPLICATION NUMBER: PCT/EP98/00009

; EARLIER FILING DATE: 1998-01-02

; EARLIER APPLICATION NUMBER: EP 97 10 0012.0

; EARLIER FILING DATE: 1997-01-02

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 10

; LENGTH: 263

; TYPE: PRT

; ORGANISM: Viscum album

US-09-347-064-10

Query Match

Best Local Similarity 93.1%; Score 1318.5; DB 10; Length 263;

Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

Qy	1	DDVTCASPTVRIVGRNGMRVDDDFHGNQIQLPWPSKNNPNQWLTIKEDGTIRS	60
Db	1	DDVTCASPTVRIVGRNGMCMVDRDDDFRGNQIQLPWPSKNNPNQWLTIKEDGTIRS	60
Qy	61	NGSCLTTYGYTAGYVYMFDCNTAVREATIWIQWNGNTIIPRNLVLAASSGKGTTLT	120
Db	61	NGSCLTTYGYTAGYVYMFDCNTAVREATIWIQWNGNTIIPRNLVLAASSGKGTTLT	120
Qy	121	VQTLDDYTLGQWLAGNLTAPREVITYGFRDLCMESNGSGVWVETCDSSQKNQKWLAYGD	180
Db	121	VQTLDDYTLGQWLAGNLTAPREVITYGFRDLCMESNGSGVWVETCDSSQKNQ-RWLAYGD	179

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QY 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRWVFTNEGAILNKLKSLMVDVAQA 240
Db 180 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRWVFTNEGAILNKLKSLMVDVAQA 239
QY 241 NPKLRIIYYPATGKPNQWMLPV 263
Db 240 NPKLRIIYYPATGKPNQWMLPV 262

RESULT 2
US-09-347-064-4
; Sequence 4, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347,064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 4
; LENGTH: 267
; TYPE: PRT
; ORGANISM: Viscum album
; US-09-347-064-4

Query Match 93.1%; Score 1318.5; DB 10; Length 267;
Best Local Similarity 94.3%; Pred. No. 4e-115;
Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

QY 1 DDVTCASAEPTVRIVGRNGMVDVDRDDFDHGNQIQIQLWPSKSNNDPNQLWTIKRDGTIRS 60
Db 1 DDVTCASAEPTVRIVGRNGMVDVDRDDFDHGNQIQIQLWPSKSNNDPNQLWTIKRDGTIRS 60
QY 61 NGSCLTITYGTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIGKTTLT 120
Db 61 NGSCLTITYGTAGVYVMIFDCNTAVREATIWIQIWDNGTIINPRSNLVLAASSGIGKTTLT 120
QY 121 VOTLDYTLGGWLAGNDTAPREVITYIGRDLCEMSNGSGVWVETCDSSQKQKQWALYGD 180
Db 121 VOTLDYTLGGWLAGNDTAPREVITYIGRDLCEMSNGSGVWVETCDSSQKQKQWALYGD 179
QY 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRWVFTNEGAILNKLKSLMVDVAQA 240
Db 180 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGQSRWVFTNEGAILNKLKSLMVDVAQA 239
QY 241 NPKLRIIYYPATGKPNQWMLPV 263
Db 240 NPKLRIIYYPATGKPNQWMLPV 262

RESULT 3
US-10-074-527-5
; Sequence 5, Application US/10074527
; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 33945, A Human Glycosyltransferase and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: MPI2001-018PIKCF1(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
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; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
; US-10-074-527-5

Query Match 12.1%; Score 171; DB 12; Length 145;
Best Local Similarity 32.8%; Pred. No. 1.1e-08;
Matches 45; Conservative 20; Mismatches 58; Indels 14; Gaps 4;

QY 11 TVRIYGRNGMRVDVDRDDFDHGNQIQIQLWPSKSNNDPNQLWTI---KRDGTIRS---NGSC 64
Db 7 TILVNGSGRCLDVNSSGESDGNQVQLWNCNPKGNKWSLTYSDESGEIRSVVNNDKC 66
QY 65 LTTYGYTAGVYVMIFDCNTAVREATIWIQIWDNGTIINP-----RSNLVL--AASSGIGK 116
Db 67 LTVNANSPGSEVKLYCCDSATSNDQKWEIWDGLIGNKILLNLYNTGLVLDVKGSDTQNG 126
QY 117 TLTITVQTLDTYTLGGQWL 133
Db 127 TKLILYTCGGRNQWL 143

RESULT 4
US-09-973-457-5
; Sequence 5, Application US/09973457
; Patent No. US20020164746A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; TITLE OF INVENTION: 47174, A NOVEL HUMAN GLYCOSYLTRANSFERASE
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 10448-099001
; CURRENT APPLICATION NUMBER: US/09/973,457
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/238,849
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence
; US-09-973-457-5

Query Match 9.0%; Score 127; DB 9; Length 135;
Best Local Similarity 25.7%; Pred. No. 0.00012;
Matches 44; Conservative 20; Mismatches 53; Indels 54; Gaps 9;

QY 14 IVGRNGMRVDV--RDDDFHGNQIQIQLWPSKSNNDPNQLWTI---KRDGTIRSNGS--CLTT 67
Db 7 IGGNTGLCLDVNGNSKSGDGNPVQLWDCHGGG--NQLWKLTYNESDGAIRINSDCLTV 64
QY 68 YGYTAGVYVMIFDCNTAVR--EATIWQIWDNGTIINPRSNLVLAASSGIGKTTLTIVQTLD 125
Db 65 NG-----TVTLYSCDGTGKNDNQKWEVNDGTIRNPK--NSKKGVDSG----- 106
QY 126 YTLGGWLAGNDTAPREVITYIGRDLCEM--SNGSGVWVETCDSSQKQKQW 175
Db 107 -----LCLDVKGDNKVLQWTCNGSDAPNQKW 132

RESULT 5
US-10-074-527-6
; Sequence 6, Application US/10074527
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; Patent No. US20020142426A1
; GENERAL INFORMATION:
; APPLICANT: Olandt, Peter J.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Galvin, Katherine A.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: 3945' A Human Glycosyltransferase and
; TITLE OF INVENTION: Uses Therefor.
; FILE REFERENCE: MPI2001-018PLRCPI(M)
; CURRENT APPLICATION NUMBER: US/10/074,527
; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/269202
; PRIOR FILING DATE: 2001-02-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
US-10-074-527-6

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Query Match          9.0%; Score 127; DB 12; Length 135;
Best Local Similarity 25.7%; Pred. No. 0.00012;
Matches 44; Conservative 20; Mismatches 53; Indels 54; Gaps 9;

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QY 14 IVGRNGMRVDV--RDDDFHDCNQIQLPWPSKNNDPNQLWTI---KRDGTIRNGS-CLTT 67
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Db 7 IGGTGLCLDVNGSSEKSDGNFVQLWDCHGGG--NQLWKLTYNESDGAIRINSDLCITV 64
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 68 YGVTAGYVYVIFPCNTAVR--EATIQIWDNGTIINPRSNLVLAASSGIKGTTLTVQTL 125
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 65 NG-----TVLYSCDGTDKNGDNQKVEVNDGRTIRNPK--NSKKGVDSG----- 106
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 126 YTLGQGLAGNDTAPREVTIYGRDLCME--SNGGSVYVETCDSSQKNQKW 175
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 107 -----LCLDVKGDKVQLWTCNGSDAPNQKW 132
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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RESULT 6
US-09-770-621-5
; Sequence 5, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:

```

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20010024815A1 Relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
US-09-770-621-5

Query Match          8.7%; Score 122.5; DB 10; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.0017;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

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```

QY 22 VDVRDDDFHDCNQIQLPWPSKNNDPNQLWIKRDGTIRNGS-CLTTYGYTAGYVYVIFD 80
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Db 379 IDVNGMTADGTQVQLYDCHSGS--NQOWTYSSEGFIFGNKCLDAGSSNGAWVQIYS 436
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 81 CNTAVREATIWIWDNGTIINPRSNLVLAASSGIKGTTLTVQ 122
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 437 CWGGANQK--WELRADGTIVGVQSLCLDVGGGTNGTRLQ 476
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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RESULT 7
US-09-770-621-8
; Sequence 8, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 491 amino acids
; TYPE: amino acid
; STRANDEDNESS: No. US20010024815A1 Relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
; US-09-770-621-8

```

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Query Match      8.7%; Score 122.5; DB 10; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.0018;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;

QY 7 ASEP-----TVRIYGRNGMRVDVDDDDFDHGNQIQWLWPSKSNNDPNQLWTIKRD 55
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:
Db 354 SSEPPXXXXXADGGQIKGVG-SGRCLDVPDASTSDGTQLQWDCHSGT--NQQWAATDA 410
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:

QY 56 GTIRSNQ-SCLTTYGYTAGYVVMIFDNCNTAVREATIMQIWDNGTINPRNLVLAA--SS 112
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:
Db 411 GELRVYGDKCLDAAGTSGSKVQIYSCWGGDNQK--WRLNSDGSVVGVSGLCLDAVNG 468
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:

QY 113 GIKGTTTLVTQTLDTLGGGW 132
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:
Db 469 TANGTLIQLYTCNSGNSQNR 488
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:

```

```

RESULT 8
US-09-770-621-4
; Sequence 4, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 39
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:

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; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugaisky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-770-621-4

Query Match      8.7%; Score 122.5; DB 10; Length 492;
Best Local Similarity 32.4%; Pred. No. 0.0018;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VDVRDDDDHGNQIQWLWPSKSNNDPNQLWTIKRDGTIRSNQ--CLTTYGYTAGYVVMIFD 80
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Db 379 IDVNGNTADGTQQLYDCHSGS--NQQWTVTSSEGFIFGNKCLDAGGSSNGAVVQIYS 436
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:

QY 81 CNTAVREATIMQIWDNGTINPRNLVLAASSGKIGKTTLTQV 122
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:
Db 437 CWGGANQK--WELRADGTIVGVQSLCLDAVGGGTGNGTRLQ 476
   :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||: :|||:

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RESULT 9
US-09-770-621-7
; Sequence 7, Application US/09770621
; Patent No. US20010024815A1
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 39
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/770,621
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/590,563

```



```

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: Fast-SEQ for Windows Version 3.0/4.0
; SEQ ID NO 394
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-394

Query Match      6.4%; Score 91; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 7.9; Indels 96; Gaps 10;
Matches 59; Conservative 29; Mismatches 78; Indels 96; Gaps 10;

Qy 59 RNSGCLTTCYGT--AGVYVIMFDCNTA-----VREATIWIQWIDN-----G 97
Db 231 KSGGAAYTEGALTTCQAIVEAFTTGNISAGOGGAIYVKEATLFNALDSLAKFEKNTSGQAG 290
Qy 98 TIIPRNLVL-----AASSGIKGTTLTVQTL-----124
Db 291 GGIYTESTLTISNITKSTIEFISNKASVPAPAPETSPAPSSLINSITIDTSTLOTTRAASA 350
Qy 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCSNMGSGVWVE--TCD 166
Db 351 TPAVAPVAAVPTPTISTQETAGN---GAIYAKQGISISTFKDLTFKNSASVDATLTVD 407
Qy 167 SSQKNQGWALYDGSIRPKNQDCLTSGRD-----SVSTVINIV-----S 208
Db 408 SSTIGESGAIFAADSIIQIOCTGTTLFSGNTANKSGGGIYAVGQVTLIEDIANLKMTNNT 467
Qy 209 CSGASG---SQRWVFTNEGAIL 227
Db 468 CKGEGGAIYTKKALTINNGAIL 489

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: Fast-SEQ for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

Query Match      6.4%; Score 91; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 7.9; Indels 96; Gaps 10;
Matches 59; Conservative 29; Mismatches 78; Indels 96; Gaps 10;

Qy 59 RNSGCLTTCYGT--AGVYVIMFDCNTA-----VREATIWIQWIDN-----G 97
Db 231 KSGGAAYTEGALTTCQAIVEAFTTGNISAGOGGAIYVKEATLFNALDSLAKFEKNTSGQAG 290
Qy 98 TIIPRNLVL-----AASSGIKGTTLTVQTL-----124
Db 291 GGIYTESTLTISNITKSTIEFISNKASVPAPAPETSPAPSSLINSITIDTSTLOTTRAASA 350
Qy 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCSNMGSGVWVE--TCD 166
Db 351 TPAVAPVAAVPTPTISTQETAGN---GAIYAKQGISISTFKDLTFKNSASVDATLTVD 407
Qy 167 SSQKNQGWALYDGSIRPKNQDCLTSGRD-----SVSTVINIV-----S 208
Db 408 SSTIGESGAIFAADSIIQIOCTGTTLFSGNTANKSGGGIYAVGQVTLIEDIANLKMTNNT 467
Qy 209 CSGASG---SQRWVFTNEGAIL 227
Db 468 CKGEGGAIYTKKALTINNGAIL 489

; APPLICANT: Bhatia, Ajay
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Probst, Peter
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C8
; CURRENT APPLICATION NUMBER: US/09/841,132
; CURRENT FILING DATE: 2001-04-23
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: Fast-SEQ for Windows Version 3.0/4.0
; SEQ ID NO 395
; LENGTH: 1723
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-841-132-395

Query Match      6.4%; Score 91; DB 10; Length 1723;
Best Local Similarity 22.5%; Pred. No. 7.9; Indels 96; Gaps 10;
Matches 59; Conservative 29; Mismatches 78; Indels 96; Gaps 10;

Qy 59 RNSGCLTTCYGT--AGVYVIMFDCNTA-----VREATIWIQWIDN-----G 97
Db 231 KSGGAAYTEGALTTCQAIVEAFTTGNISAGOGGAIYVKEATLFNALDSLAKFEKNTSGQAG 290
Qy 98 TIIPRNLVL-----AASSGIKGTTLTVQTL-----124
Db 291 GGIYTESTLTISNITKSTIEFISNKASVPAPAPETSPAPSSLINSITIDTSTLOTTRAASA 350

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Qy 125 -----DYTLGQWLAGNDTAPREVITYGFRDLCSNMGSGVWVE--TCD 166
Db 351 TPAVAPVAAVPTPTISTQETAGN---GAIYAKQGISISTFKDLTFKNSASVDATLTVD 407
Qy 167 SSQKNQGWALYDGSIRPKNQDCLTSGRD-----SVSTVINIV-----S 208
Db 408 SSTIGESGAIFAADSIIQIOCTGTTLFSGNTANKSGGGIYAVGQVTLIEDIANLKMTNNT 467
Qy 209 CSGASG---SQRWVFTNEGAIL 227
Db 468 CKGEGGAIYTKKALTINNGAIL 489

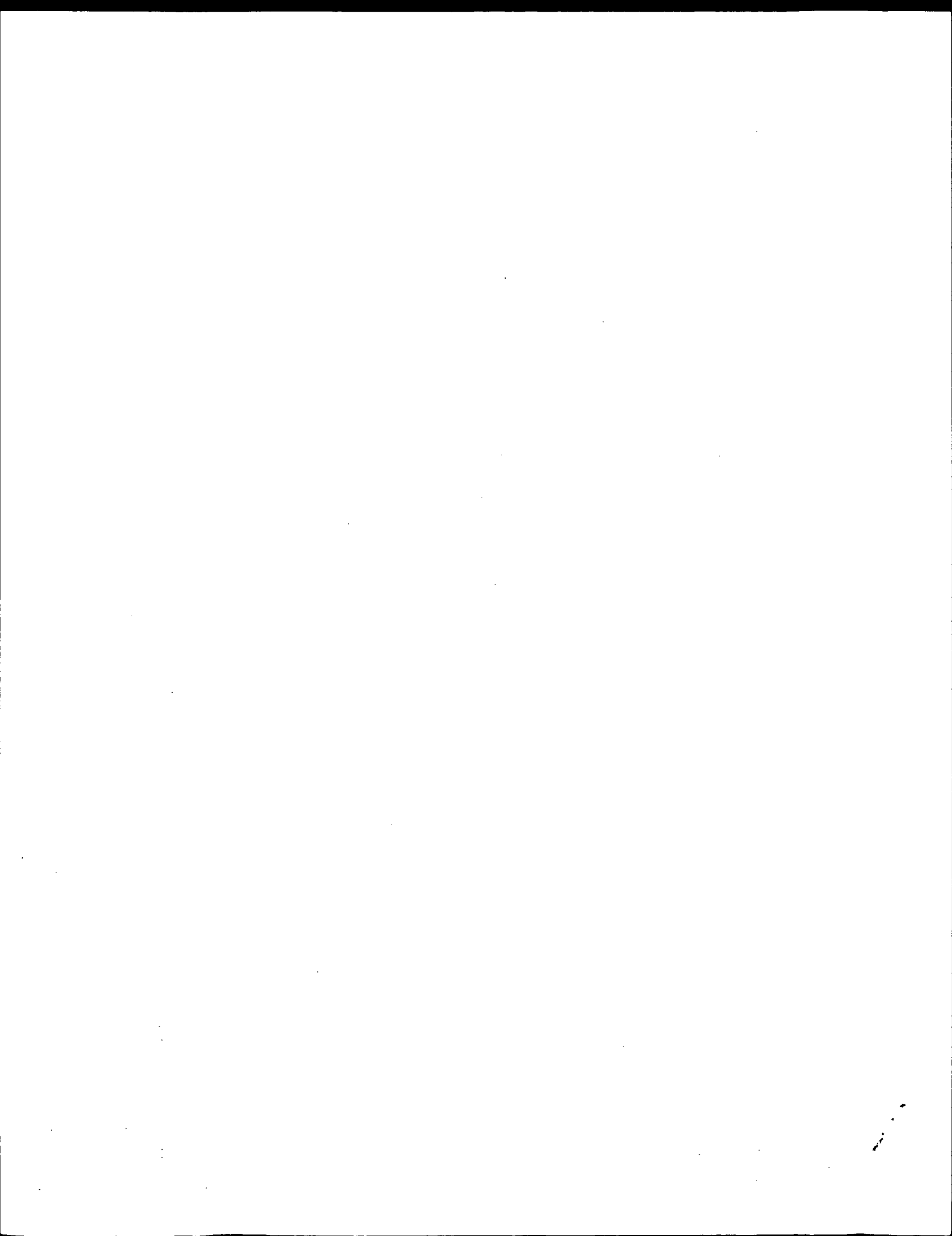
RESULT 14
US-09-815-656-31
; Sequence 31, Application US/09815656
; Patent No. US20010041331A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Leary, Thomas
; APPLICANT: Erker, James
; APPLICANT: Chalmers, Michelle
; APPLICANT: Simons, John
; APPLICANT: Birkenmeyer, Larry
; APPLICANT: Muerhoff, Scott
; APPLICANT: Pilot-Matias, Tami
; APPLICANT: Desai, Suresh
; APPLICANT: Muehahwar, Isa
; TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
; FILE REFERENCE: 6461.US.O1
; CURRENT APPLICATION NUMBER: US/09/815,656
; CURRENT FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 09/245,248
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 770
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-815-656-31

Query Match      6.4%; Score 90.5; DB 10; Length 770;
Best Local Similarity 20.7%; Pred. No. 3.1; Indels 53; Gaps 8;
Matches 44; Conservative 25; Mismatches 91; Indels 53; Gaps 8;

Qy 61 NGSCLTTCYGT-----YTAGVYVIMFDCNTAVREATIWIQWIDNGTTINPR-----103
Db 321 SGTITTTWGSLLNTTKFTTTTTTTTTTYTTPGTNTTIVTITANDSWYRGTVVYNQNKDVAKK 380
Qy 104 -SNLVLAASSGIRKGTTLTVQTLTYLGGQ-----WLAGNDT---APREVITYGFRDLCL 152
Db 381 AAELYSKATRAVLGNTFT--TEDYTLGYHGLYSSIWLSFGRSYFETPGAYTDIKYNPFT 438
Qy 153 MESNGSGVWVETCDSSQKNQGWALYDGSIRPKNQDCLTSGRDSVSTVINIVS--CSG 211
Db 439 DRGEGNMLWIDLWSKKNMNYDK-----VOSKCLISDLPWAAAYGVVECAK 485
Qy 212 ASGSQRWVFTNEGAILNLKNSLMVDDVAQANPKL 244
Db 486 STGDQN-----IHMNARLLIRSPFTDPQL 509

RESULT 15
US-09-910-071-15
; Sequence 15, Application US/09910071
; Patent No. US20020116146A1
; GENERAL INFORMATION:
; APPLICANT: Tomikawa, Mayumi
; APPLICANT: Aikawa, Seiichi
; APPLICANT: Matsuzawa, Fumiko
; TITLE OF INVENTION: Method and Apparatus for Extracting and Evaluating Mutually Similar

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GenCore version 5.1.4_p5 4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 8.14815 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-11
Perfect score: 1416
Sequence: 1 DDVTCASEPTVIRVGRNGM.....RRIIYPATGKNQWMLPVF 264

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1318.5	93.1	264	4	US-08-776-059-33
3	1318.5	93.1	564	4	US-08-776-059-35
4	777.5	54.9	540	1	US-08-378-761A-77
5	777.5	54.9	540	1	US-08-485-286-77
6	185.5	13.1	293	4	US-09-512-342-14
7	136	9.6	132	4	US-09-159-106-15
8	136	9.6	435	4	US-09-159-106-11
9	122.5	8.7	480	2	US-08-468-812-5
10	122.5	8.7	480	4	US-08-590-563-5
11	122.5	8.7	491	2	US-08-468-812-8
12	122.5	8.7	491	4	US-08-590-563-8
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14	122.5	8.7	492	2	US-08-468-812-7
15	122.5	8.7	492	4	US-08-590-563-4
16	122.5	8.7	492	4	US-08-590-563-7
17	122	8.6	127	1	US-08-392-828C-39
18	122	8.6	127	3	US-09-330-945-39
19	106	7.5	507	4	US-09-130-337A-25
20	90.5	6.4	770	4	US-09-245-248B-31
21	87.5	6.2	553	1	US-08-565-386-6
22	86.5	6.1	420	2	US-08-282-197C-63
23	86.5	6.1	420	2	US-08-282-197C-66
24	84	5.9	1087	2	US-08-570-311-8
25	84	5.9	1087	2	US-08-353-485-8
26	84	5.9	1358	2	US-08-570-311-27
27	83	5.9	1912	1	US-08-409-995-4

28	83	5.9	1912	3	US-08-685-467-4	Sequence 4, Appl
29	83	5.9	2353	4	US-09-377-155-33	Sequence 33, Appl
30	83	5.9	2353	4	US-08-913-942-4	Sequence 4, Appl
31	83	5.9	2353	4	US-09-669-974-33	Sequence 33, Appl
32	83	5.9	2353	4	US-09-268-347-47	Sequence 47, Appl
33	83	5.9	2411	4	US-09-268-347-36	Sequence 36, Appl
34	82.5	5.8	327	4	US-09-134-001C-3535	Sequence 3535, Ap
35	82.5	5.8	1732	2	US-08-570-311-10	Sequence 10, Appl
36	82.5	5.8	1732	2	US-08-353-485-10	Sequence 10, Appl
37	81.5	5.8	704	3	US-08-792-832A-2	Sequence 2, Appl
38	81	5.7	1687	2	US-08-570-311-29	Sequence 29, Appl
39	81	5.7	1704	3	US-08-336-308A-10	Sequence 10, Appl
40	81	5.7	1704	3	US-08-822-324-6	Sequence 6, Appl
41	81	5.7	1704	4	US-09-490-931-10	Sequence 10, Appl
42	80.5	5.7	517	2	US-08-967-508-19	Sequence 19, Appl
43	80.5	5.7	517	3	US-08-967-506-19	Sequence 19, Appl
44	80.5	5.7	517	5	PCT-US94-02552-19	Sequence 19, Appl
45	80.5	5.7	559	2	US-08-967-508-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-08-776-059-43
; Sequence 43, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776, 059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-43

Query Match 93.1%; Score 1318.5; DB 4; Length 263;
Best Local Similarity 94.3%; Pred. No. 4.4e-131;
Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

QY	1	DDVTCASEPTVIRVGRNGMRVDRDDFDHGNQIQWLWPSKSNNDPNQLWTIKRDGTIRS	60
DB	1	DDVTCASEPTVIRVGRNGMCDVDRDDFDHGNQIQWLWPSKSNNDPNQLWTIKRDGTIRS	60
QY	61	NGSCLTIYGTAGYVYVIFDCNTAVREATIQTWDNGTINPRSNLVLAASSGIGKTTLT	120
DB	61	NGSCLTIYGTAGYVYVIFDCNTAVREATIQTWDNGTINPRSNLVLAASSGIGKTTLT	120
QY	121	VQTLDYTLGGWLAGNDTAPREVTIYGFRLCNESNGSVVWVETCDSSOKNOGKWLALYGD	180
DB	121	VQTLDYTLGGWLAGNDTAPREVTIYGFRLCNESNGSVVWVETCDSSOKNOGKWLALYGD	179
QY	181	GSIRPKONQOCLTSGRDSVSTVINIVSCSGASGQRWFTNEGAILNKNLSLWVDVAQA	240
DB	180	GSIRPKONQOCLTSGRDSVSTVINIVSCSGASGQRWFTNEGAILNKNLSLWVDVAQA	239
QY	241	NPKLRRIIYPATGKNQWMLPV	263
DB	240	NPKLRRIIYPATGKNQWMLPV	262

US-08-776-059-35

Query Match 93.1%; Score 1318.5; DB 4; Length 564;
Best Local Similarity 94.3%; Pred. No. 1.4e-130;
Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

1 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 60
DB 302 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 361

61 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 120
DB 362 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 421

121 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 180
DB 422 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 480

181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 240
DB 481 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 540

241 NPKLRRIIYPATGKPNQWMLPV 263
DB 541 NPKLRRIIYPATGKPNQWMLPV 563

RESULT 4

US-08-378-761A-77

Sequence 77, Application US/08378761A;
Patent No. 5635384
GENERAL INFORMATION:
APPLICANT: WALSH, TERENCE A
APPLICANT: HEY, TIMOTHY D
APPLICANT: MORGAN, ALICE ER
TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
TITLE OF INVENTION: USING
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: ANDREA T. BORUCKI
STREET: 9330 ZIONSVILLE ROAD
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: US
ZIP: 46268
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,761A
FILING DATE: 26-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BORUCKI, ANDREA T
REGISTRATION NUMBER: 33651
REFERENCE/DOCKET NUMBER: 38272B
TELEPHONE: (317) 337-4846
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 540 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-761A-77

Query Match 54.9%; Score 777.5; DB 1; Length 540;
Best Local Similarity 55.8%; Pred. No. 1.5e-73;
Matches 145; Conservative 42; Mismatches 72; Indels 1; Gaps 1;

US-08-776-059-35

Query Match 93.1%; Score 1318.5; DB 4; Length 264;
Best Local Similarity 94.3%; Pred. No. 4.4e-131;
Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

1 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 60
DB 2 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 61

61 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 120
DB 62 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 121

121 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 180
DB 122 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 180

181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 240
DB 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 240

241 NPKLRRIIYPATGKPNQWMLPV 263
DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 3

US-08-776-059-35

Sequence 35, Application US/08776059B
Patent No. 6271368
GENERAL INFORMATION:
APPLICANT: LENTZEN, Hans
APPLICANT: ECK, Jurgen
APPLICANT: BAUR, Axel
TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
FILE REFERENCE: 674503-2003
CURRENT APPLICATION NUMBER: US/08/776,059B
CURRENT FILING DATE: 1999-06-19
EARLIER APPLICATION NUMBER: PCT/EP96/02273
EARLIER FILING DATE: 1996-06-25
EARLIER APPLICATION NUMBER: 95109949.8
EARLIER FILING DATE: 1995-06-26
NUMBER OF SEQ ID NOS: 56
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 35
LENGTH: 564
TYPE: PRT
ORGANISM: Viscum album

US-08-776-059-33

Query Match 93.1%; Score 1318.5; DB 4; Length 264;
Best Local Similarity 94.3%; Pred. No. 4.4e-131;
Matches 248; Conservative 3; Mismatches 11; Indels 1; Gaps 1;

1 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 60
DB 2 DDVTCASEPTVRIVGRNGMRVDRDDDFHDGNOIQWLWPSKSNNDPNQWTKIKRDGTIRS 61

61 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 120
DB 62 NGSCLTYYGYTAGVYVIMFDNCNTAVREATIWIQWNGTIIINPRSNLVLAASSGKGTTLT 121

121 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 180
DB 122 VOTLDYTLGGQWLAGNDTAPREVITYGPRDLCMESNGGSVWVETCDSSQKNQKQWALYGD 180

181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 240
DB 181 GSIRPKQNDQCLTSGRDSVSTVINIVSCGASGSRQWVFTNEGAILNLKNSLMVDVAQA 240

241 NPKLRRIIYPATGKPNQWMLPV 263
DB 241 NPKLRRIIYPATGKPNQWMLPV 263

RESULT 3

US-08-776-059-35

Sequence 35, Application US/08776059B
Patent No. 6271368
GENERAL INFORMATION:
APPLICANT: LENTZEN, Hans
APPLICANT: ECK, Jurgen
APPLICANT: BAUR, Axel
TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
FILE REFERENCE: 674503-2003
CURRENT APPLICATION NUMBER: US/08/776,059B
CURRENT FILING DATE: 1999-06-19
EARLIER APPLICATION NUMBER: PCT/EP96/02273
EARLIER FILING DATE: 1996-06-25
EARLIER APPLICATION NUMBER: 95109949.8
EARLIER FILING DATE: 1995-06-26
NUMBER OF SEQ ID NOS: 56
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 35
LENGTH: 564
TYPE: PRT
ORGANISM: Viscum album

QY 5 CSASEPTVIRVGRNGMRVDDDDFDHGNQIOLWPKSKNNDPNOLWTIKRDGTIRNSGSC 64
 DB 282 CNDPEPIVIRVGRNGLCVDVTGEEFFDGNPIQLWPKSKNTDWNOLWTLRKDSTIRNSGKC 341
 QY 65 LTTYGYTAGVYVMIFDCNTAVREATIWIQINDNGTIINPRSNLVLAASSGGIKGTTLTQVTL 124
 DB 342 LTIKSSPRQOVVYINCSTATVATRWQIWDNRTIINPRSLVLAATSGNSGTLVQTN 401
 QY 125 DYTIGQGLAGNDTAPREVITYGFRDLCEMBSNGGVSVMVETCDSSQKNQGWALYGDGSR 184
 DB 402 IYAVSQGLPTNTQPFVTTIVGLYGMCLQANSKQWLEDC-TSEKAEQWALYADGSR 460
 QY 185 PKONQDCLTSGRDSVSTVINIVSCGASGSRVWFTNEGAILNKLNSLWVDVAQANPKL 244
 DB 461 PQNRDNCCLTIDANIKGTIVVKILSCGPASSQGRWFMFKNDDGTLINLYGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQMWLPVF 264
 DB 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 5
 US-08-485-286-77
 ; Sequence 77, Application US/08485286
 ; Patent No. 5646026
 ; Patent No. 5646026 5646119
 ; GENERAL INFORMATION:
 ; APPLICANT: WALSH, TERENCE A
 ; APPLICANT: HEY, TIMOTHY D
 ; APPLICANT: MORGAN, ALICE ER
 ; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
 ; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
 ; TITLE OF INVENTION: USING
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: ANDREA T. BORUCKI
 ; STREET: 9330 ZIONSVILLE ROAD
 ; CITY: INDIANAPOLIS
 ; STATE: IN
 ; COUNTRY: US
 ; ZIP: 46268
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/485,286
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/378761
 ; FILING DATE: 26-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BORUCKI, ANDREA T
 ; REGISTRATION NUMBER: 33651
 ; REFERENCE/DOCKET NUMBER: 38272B
 ; TELEPHONE: (317) 337-4846
 ; INFORMATION FOR SEQ ID NO: 77:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 540 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-485-286-77

Query Match 54.9%; Score 777.5; DB 1; Length 540;
 Best Local Similarity 55.8%; Pred. No. 1.5e-73;
 Matches 145; Conservative 42; Mismatches 72; Indels 1; Gaps 1;

QY 5 CSASEPTVIRVGRNGMRVDDDDFDHGNQIOLWPKSKNNDPNOLWTIKRDGTIRNSGSC 64
 DB 282 CNDPEPIVIRVGRNGLCVDVTGEEFFDGNPIQLWPKSKNTDWNOLWTLRKDSTIRNSGKC 341
 QY 65 LTTYGYTAGVYVMIFDCNTAVREATIWIQINDNGTIINPRSNLVLAASSGGIKGTTLTQVTL 124
 DB 342 LTIKSSPRQOVVYINCSTATVATRWQIWDNRTIINPRSLVLAATSGNSGTLVQTN 401
 QY 125 DYTIGQGLAGNDTAPREVITYGFRDLCEMBSNGGVSVMVETCDSSQKNQGWALYGDGSR 184
 DB 402 IYAVSQGLPTNTQPFVTTIVGLYGMCLQANSKQWLEDC-TSEKAEQWALYADGSR 460
 QY 185 PKONQDCLTSGRDSVSTVINIVSCGASGSRVWFTNEGAILNKLNSLWVDVAQANPKL 244
 DB 461 PQNRDNCCLTIDANIKGTIVVKILSCGPASSQGRWFMFKNDDGTLINLYGLVLDVRRSDPSL 520
 QY 245 RRIIYPATGKPNQMWLPVF 264
 DB 521 KQIIVHPFHGNLQIWLPLF 540

RESULT 6
 US-09-512-342-14
 ; Sequence 14, Application US/09512342
 ; Patent No. 6388068
 ; GENERAL INFORMATION:
 ; APPLICANT: SATOH, SHINOBU
 ; APPLICANT: MASUDA, SUSUMU
 ; TITLE OF INVENTION: METHOD FOR PRODUCING FOREIGN POLYPEPTIDE IN PLANT
 ; TITLE OF INVENTION: INTERCELLULAR FLUID
 ; FILE REFERENCE: 081356/0142
 ; CURRENT APPLICATION NUMBER: US/09/512,342
 ; CURRENT FILING DATE: 2000-02-24
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 14
 ; LENGTH: 293
 ; TYPE: PRT
 ; ORGANISM: Cucumis sativus
 ; US-09-512-342-14

Query Match 13.1%; Score 185.5; DB 4; Length 293;
 Best Local Similarity 27.4%; Pred. No. 1.7e-11;
 Matches 66; Conservative 35; Mismatches 101; Indels 39; Gaps 10;

QY 14 IVGRNGMRVDDDDFDHGNQIOLW-----PSK-----SNNDPNQLWTIKRDGTIR-- 59
 DB 41 LVGRDGLCLEMSP-----WYKPAGINFPTRLSPCDEKQTLWTIVGDGTIRPM 89
 QY 60 SNGSCLTT--YGYTAGVYVMIFDCNTAVREATIWIQINDNGTIINPRSNLVLAASSGIGK 116
 DB 90 NDKFCLAAAEVYGVIN--KAVVSECGKVSVDNKKWTKQNDGTIALVDSRWVLTGLDY-- 145
 QY 117 TLTIVQTLDTYTLGQGLAGNDTAPREVITYGFRDLCEMBSNGG--VWVETCDSSQKNQGWK 174
 DB 146 --VTLOSNNKYTPSQSWEVETSLNSMVAWIEWLNLCLOSTDDSHVGLNGCNTNNKQV-R 202
 QY 175 WALYGDGSRPKQNDQCLTSGRDSVSTVINIVSCGASGSRVWFTNEGAILNKLNSL 234
 DB 203 WALYADGTIRQHVKNKYCLTSDQDFGRFV--VWSKCEDKPKQWRSLDAKDYTIIDHPNTDM 260
 QY 235 V 235
 DB 261 V 261

RESULT 7
 US-09-159-106-15
 ; Sequence 15, Application US/09159106
 ; Patent No. 6284509
 ; GENERAL INFORMATION:
 ; APPLICANT: Ferrer, Pau
 ; APPLICANT: Diers, Ivan

APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
TITLE OF INVENTION: Activity
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Fast-SEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 132
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-15

Query Match
Best Local Similarity 36.3%; Score 136; DB 4; Length 132;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

Qy 18 NGMVDVDDDFHGNQIQWLWPKSKNNPNQWLTKRDGTIRNSGSLTTY--GYTAGVY 75
Db 14 NGMVDVDPWADPTDGNFQIVTCSGN--AAQTWRGSDGTVRALGKCLDVRDGSSTRGAA 71

Qy 76 VMIFDCNTAVREATIWIW--DNGT--IINPRSNLVLAASSGI---KGTTLTVTQTLDTYL 128
Db 72 VQVWTCN-----GTGAQKWAYDAGSKALRNPQSGLCILDATGGAPLRDQRLQWTWCNGTT 126

Qy 129 GQGW 132
Db 127 AQOW 130

RESULT 8
US-09-159-106-11
Sequence 11, Application US/09159106
Patent No. 6284509
GENERAL INFORMATION:
APPLICANT: Ferrer, Pau
APPLICANT: Diers, Ivan
APPLICANT: Halkier, Torben
APPLICANT: Hedegaard, Lisbeth
TITLE OF INVENTION: An Enzyme With -1,3-Glucanase
TITLE OF INVENTION: Activity
FILE REFERENCE: 4693.204-US
CURRENT APPLICATION NUMBER: US/09/159,106
CURRENT FILING DATE: 1998-09-23
EARLIER APPLICATION NUMBER: 0427/96
EARLIER FILING DATE: 1996-12-04
EARLIER APPLICATION NUMBER: 0885/96
EARLIER FILING DATE: 1996-08-23
EARLIER APPLICATION NUMBER: PCT/DK97/00160
EARLIER FILING DATE: 1997-04-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Fast-SEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 435
TYPE: PRT
ORGANISM: Oerskovia xanthineolytica
US-09-159-106-11

Query Match
Best Local Similarity 36.3%; Score 136; DB 4; Length 435;
Matches 45; Conservative 11; Mismatches 52; Indels 16; Gaps 6;

Qy 18 NGMVDVDDDFHGNQIQWLWPKSKNNPNQWLTKRDGTIRNSGSLTTY--GYTAGVY 75
Db 317 NGMVDVDPWADPTDGNFQIVTCSGN--AAQTWRGSDGTVRALGKCLDVRDGSSTRGAA 374

Qy 76 VMIFDCNTAVREATIWIW--DNGT--IINPRSNLVLAASSGI---KGTTLTVTQTLDTYL 128
Db 375 VQVWTCN-----GTGAQKWAYDAGSKALRNPQSGLCILDATGGAPLRDQRLQWTWCNGTT 429

Qy 129 GQGW 132
Db 430 AQOW 433

RESULT 9
US-08-468-812-5
Sequence 5, Application US/08468812
Patent No. 5935836
GENERAL INFORMATION:
APPLICANT: Vehmaanper, Jari
APPLICANT: Mntyl, Arja
APPLICANT: Fagerstr m, Richard
APPLICANT: Lantto, Raija
APPLICANT: Paloheimo, Marja
APPLICANT: Suominen, Pirkko
APPLICANT: Lahtinen, Tarja
APPLICANT: Kristo, Paula
TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
TITLE OF INVENTION: of Use
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLSTEIN & FOX
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,812
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/332,412
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/282,001
FILING DATE: 29-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bugalsky, Larry B.
REGISTRATION NUMBER: 35,086
REFERENCE/DOCKET NUMBER: 1050.0340002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 480 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
POSITION IN GENOME:
CHROMOSOME/SEGMENT: AMS0
US-08-468-812-5

Query Match
Best Local Similarity 32.4%; Score 122.5; DB 2; Length 480;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

Qy 22 VDVDDDFHGNQIQWLWPKSKNNPNQWLTKRDGTIRNSGSLTTYGYTAGVYVMI 80

Db 379 IDVNGNTADGTQVLYDCHSGS--NQOWTYTSSGEFRIFGNKCLDAGGSSNGAVVQIYS 436
QY 81 CNTAVREATIWOIWDNGTIIINPRSNVLAAASSGIGKTTTLTVQ 122
Db 437 CWGANQK--WELRADGTIVGVQSLCLDVAVGGTGNGTRLQ 476

RESULT 10
US-08-590-563-5
; Sequence 5, Application US/08590563
; Patent No. 6300114
; GENERAL INFORMATION:
; APPLICANT: M ntyl , Arja
; APPLICANT: Vehmaanper , Jari
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; TITLE OF INVENTION: Production and Secretion of Proteins of
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 New York Ave., N.W. Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/590,563
; FILING DATE: 26-JAN-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Lawrence B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340003
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: AM50
US-08-590-563-5
Query Match 8.7%; Score 122.5; DB 4; Length 480;
Best Local Similarity 32.4%; Pred. No. 0.00016;
Matches 33; Conservative 16; Mismatches 48; Indels 5; Gaps 3;

QY 22 VDVRDDFDHGNQIQLWPSKSNNDPNQLTKRDGTRNSGS--CLTTYGYTAGVYVWIFD 80

Db 379 IDVNGNTADGTQVLYDCHSGS--NQOWTYTSSGEFRIFGNKCLDAGGSSNGAVVQIYS 436
QY 81 CNTAVREATIWOIWDNGTIIINPRSNVLAAASSGIGKTTTLTVQ 122
Db 437 CWGANQK--WELRADGTIVGVQSLCLDVAVGGTGNGTRLQ 476

RESULT 11
US-08-468-812-8
; Sequence 8, Application US/08468812
; Patent No. 5935836
; GENERAL INFORMATION:
; APPLICANT: Vehmaanper , Jari
; APPLICANT: M ntyl , Arja
; APPLICANT: Fagerstr m, Richard
; APPLICANT: Lantto, Raija
; APPLICANT: Paloheimo, Marja
; APPLICANT: Suominen, Pirkko
; APPLICANT: Lahtinen, Tarja
; APPLICANT: Kristo, Paula
; TITLE OF INVENTION: Actinomadura Xylanase Sequences and Methods
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,812
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/332,412
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/282,001
; FILING DATE: 29-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Bugalsky, Larry B.
; REGISTRATION NUMBER: 35,086
; REFERENCE/DOCKET NUMBER: 1050.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 491 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: M64551
US-08-468-812-8
Query Match 8.7%; Score 122.5; DB 2; Length 491;
Best Local Similarity 28.6%; Pred. No. 0.00016;
Matches 40; Conservative 20; Mismatches 61; Indels 19; Gaps 6;

QY 7 ASEPPXXXXXXXXXADGGQIKGVG--SGRCLDVPDASTSDGTQLQLWDCHSGT--NQOWAATDA 410
Db 354 SSEPPXXXXXXXXXADGGQIKGVG--SGRCLDVPDASTSDGTQLQLWDCHSGT--NQOWAATDA 410

Db 437 CWGGANQK--WELRADGTIVGVQSGLCCLDAVGGGTGNGTRLQ 476

Search completed: March 22, 2003, 09:59:48
Job time : 10.1481 secs

GenCore version 5.1.4 p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 10:30:16 ; Search time 8.99525 Seconds
(without alignments)
1521.507 Million cell updates/sec

Title: US-09-601-667C-38

Perfect score: 1299

Sequence: 1 YERLRVTHQTGDEYFRP.....SVIASLAIMLFVCGERPSS 256

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*
7: /cgn2_6/ptodata/2/pubpaa/PCTU5_PUBCOMB pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1174	90.4	252	10	US-09-347-064-8
2	1170	90.1	252	10	US-09-347-064-2
3	329	25.3	247	9	US-09-792-793A-39
4	303.5	23.4	247	9	US-09-792-793A-34
5	281.5	21.7	251	10	US-09-765-527-247
6	278.5	21.4	293	10	US-09-765-527-259
7	278.5	21.4	309	10	US-09-765-527-253
8	278.5	21.4	332	10	US-09-765-527-251
9	247.5	19.1	250	9	US-09-792-793A-36
10	185.5	14.3	275	9	US-09-792-793A-35
11	185	14.2	254	9	US-09-792-793A-85
12	185	14.2	327	9	US-09-792-793A-79
13	185	14.2	330	9	US-09-792-793A-82
14	185	14.2	332	9	US-09-792-793A-73
15	185	14.2	332	9	US-09-792-793A-76
16	183	14.1	263	10	US-09-978-274A-4
17	183	14.1	314	10	US-09-978-274A-2
18	124	9.5	323	9	US-09-792-793A-80
19	124	9.5	325	9	US-09-792-793A-81

20	123	9.5	110	10	US-09-978-274A-8	Sequence 8, Appli
21	122.5	9.4	247	9	US-09-792-793A-83	Sequence 83, Appl
22	122.5	9.4	249	9	US-09-792-793A-84	Sequence 84, Appl
23	122.5	9.4	293	9	US-09-792-793A-37	Sequence 37, Appl
24	122.5	9.4	315	10	US-09-334-477-2	Sequence 27, Appl
25	122.5	9.4	320	9	US-09-792-793A-77	Sequence 77, Appl
26	122.5	9.4	322	9	US-09-792-793A-78	Sequence 78, Appl
27	122.5	9.4	323	10	US-09-334-477-21	Sequence 21, Appl
28	122.5	9.4	325	9	US-09-792-793A-71	Sequence 71, Appl
29	122.5	9.4	325	9	US-09-792-793A-74	Sequence 74, Appl
30	122.5	9.4	326	10	US-09-334-477-37	Sequence 37, Appl
31	122.5	9.4	327	9	US-09-792-793A-72	Sequence 72, Appl
32	122.5	9.4	327	9	US-09-792-793A-75	Sequence 75, Appl
33	122.5	9.4	690	10	US-09-334-477-47	Sequence 47, Appl
34	122.5	9.4	708	10	US-09-334-477-33	Sequence 33, Appl
35	117	9.0	318	10	US-09-334-477-6	Sequence 6, Appli
36	117	9.0	326	10	US-09-334-477-25	Sequence 25, Appl
37	116.5	9.0	319	9	US-09-792-793A-38	Sequence 38, Appl
38	116.5	9.0	319	9	US-09-870-759-28	Sequence 28, Appl
39	116	8.9	694	10	US-09-334-477-49	Sequence 49, Appl
40	115	8.9	711	10	US-09-334-477-35	Sequence 35, Appl
41	113	8.7	329	10	US-09-334-477-39	Sequence 39, Appl
42	93	7.2	400	10	US-09-895-211-4	Sequence 4, Appli
43	93	7.2	400	10	US-08-895-211-6	Sequence 6, Appli
44	87	6.7	394	10	US-09-993-844-7	Sequence 7, Appli
45	87	6.7	408	10	US-09-895-211-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1

US-09-347-064-8

; Sequence 8, Application US/09347064A

; Patent No. US20020045208A1

; GENERAL INFORMATION:

; APPLICANT: Eck, Jurgen

; APPLICANT: Schmidt, Arno

; APPLICANT: Zinke, Holger

; TITLE OF INVENTION: Recombinant Fusion Proteins Based on

; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum

; TITLE OF INVENTION: album

; FILE REFERENCE: 09282-5

; CURRENT APPLICATION NUMBER: US/09/347,064A

; CURRENT FILING DATE: 1999-07-02

; EARLIER APPLICATION NUMBER: PCT/EP98/00009

; EARLIER FILING DATE: 1998-01-02

; EARLIER APPLICATION NUMBER: EP 97 10 0012.0

; EARLIER FILING DATE: 1997-01-02

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 8

; LENGTH: 252

; TYPE: PRT

; ORGANISM: Viscum album

US-09-347-064-8

Query Match 90.4%; Score 1174; DB 10; Length 252;

Best Local Similarity 91.7%; Pred. No. 2.1e-110;

Matches 233; Conservative 7; Mismatches 12; Indels 2; Gaps 1;

QY 1 YERLRVTHQTGDEYFRFTLLRDYVSSGFSFNEIPLLRQSTIPVSDAQRFLVELTN 60

Db 1 YERLRVTHQTGDEYFRFTLLRDYVSSGFSFNEIPLLRQSTIPVSDAQRFLVELTN 60

QY 61 QGDSITAAIDVTWYVAYVAGQDQSYFLRDAPRGAETHLFTGTRRSSLPTFGSYTDL 120

Db 61 QGDSITAAIDVTWYVAYVAGQDQSYFLRDAPRGAETHLFTGTRRSSLPTFGSYTDL 118

QY 121 ERYAGHRDQIFLGIEQLIQSVSALRYPGSGTQAQARSILILIQMISEAARNPILWRQ 180

Db 119 ERYAGHRDQIFLGIDQLIQSVTALRFPGSGTQAQARSILILIQMISEAARNPILWRQ 178

[illegible]

RESULT 2

```

US-09-347-064-2
; Sequence 2, Application US/09347064A
; Patent No. US20020045208A1
; GENERAL INFORMATION:
; APPLICANT: Eck, Jurgen
; APPLICANT: Schmidt, Arno
; APPLICANT: Zinke, Holger
; TITLE OF INVENTION: Recombinant Fusion Proteins Based on
; TITLE OF INVENTION: Ribosome-Inactivating Proteins of the mistletoe Viscum
; TITLE OF INVENTION: album
; FILE REFERENCE: 09282-5
; CURRENT APPLICATION NUMBER: US/09/347, 064A
; CURRENT FILING DATE: 1999-07-02
; EARLIER APPLICATION NUMBER: PCT/EP98/00009
; EARLIER FILING DATE: 1998-01-02
; EARLIER APPLICATION NUMBER: EP 97 10 0012.0
; EARLIER FILING DATE: 1997-01-02
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Viscum album
US-09-347-064-2

```

PRECEDENT 3

RES001.3
US-09-792-793A-39
; Sequence 39, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792.793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93

Db 235 SNIALLL 241
:::|::|

RESULT 5

US-09-765-527-247
; Sequence 247, Application US/09765527
; Patent No. US20020006638A1
; GENERAL INFORMATION:

APPLICANT: Better, Marc D.
TITLE OF INVENTION: Methods for Recombinant Microbial Production of
Fusion Proteins and BPI-Derived Peptides

NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,527

FILING DATE: 18-Jan-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/621,803

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael F.

REGISTRATION NUMBER: 25,447

REFERENCE/DOCKET NUMBER: 27129/33199

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/474-6300

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 247:

SEQUENCE CHARACTERISTICS:

LENGTH: 251 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 247:

US-09-765-527-247

Query Match 21.7%; Score 281.5; DB 10; Length 251;

Best Local Similarity 33.7%; Pred. No. 1.3e-20;

Matches 85; Conservative 37; Mismatches 109; Indels 21; Gaps 7;

Qy 8 VTHQTTGDEYFRFTLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQGD 64

Db 5 VSPSTKGATYITYVNFNLRVKLPKGNHSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 62

Qy 65 SITAAIDVTNAYVAYQAGDSYFLRDPARGAETHLFTGTTDRSSLPFTGSDTLERYA 124

Db 63 LAETAIIDVTSVVVGVQVRNRSYFFKDPADAAEGLFKNTIKTR--LHFGGSYPSLEGEK 120

Qy 125 GHRDQIPLGIEQL---IQSVSALRYPGGSTRQAQRSLIILQIMSEARF----NPILWR 177

Db 121 AYRETTDLGIEPLRIGIKKLDENAIIDNYKPTETIASLLVVIQMVSEAAARFTFIENQIRNN 180

Qy 178 YRQDINGSFPLDWMYLETSGQOSTOVQHS--TDGVFNPPFLAISTGNFVTLNSVR 236

Db 181 FQQRIR-----PANNISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTAVD 234

Qy 237 SVIASLAIMLFV 248

Db 235 QVKPKIALLKVF 246

RESULT 6

US-09-765-527-259

; Sequence 259, Application US/09765527

; Patent No. US20020006638A1

; GENERAL INFORMATION:

APPLICANT: Better, Marc D.

TITLE OF INVENTION: Methods for Recombinant Microbial Production of
Fusion Proteins and BPI-Derived Peptides

NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,527

FILING DATE: 18-Jan-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/621,803

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael F.

REGISTRATION NUMBER: 25,447

REFERENCE/DOCKET NUMBER: 27129/33199

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/474-6300

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 259:

SEQUENCE CHARACTERISTICS:

LENGTH: 293 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 259:

US-09-765-527-259

Query Match 21.4%; Score 278.5; DB 10; Length 293;

Best Local Similarity 33.3%; Pred. No. 3.3e-20;

Matches 84; Conservative 38; Mismatches 109; Indels 21; Gaps 7;

Qy 8 VTHQTTGDEYFRFTLLRDY---VSSGSFSENEIPLLRQSTIPVSDAQRFLVLTNQGD 64

Db 27 VSFSTKGATYITYVNFNLRVKLPKGNHSHGIPLLRKKC--DDPGKCFVLVALSNDNGQ 84

Qy 65 SITAAIDVTNAYVAYQAGDSYFLRDPARGAETHLFTGTTDRSSLPFTGSDTLERYA 124

Db 85 LAETAIIDVTSVVVGVQVRNRSYFFKDPADAAEGLFKNTIKTR--LHFGGTPSLEGEK 142

Qy 125 GHRDQIPLGIEQL---IQSVSALRYPGGSTRQAQRSLIILQIMSEARF----NPILWR 177

Db 143 AYRETTDLGIEPLRIGIKKLDENAIIDNYKPTETIASLLVVIQMVSEAAARFTFIENQIRNN 202

Qy 178 YRQDINGSFPLDWMYLETSGQOSTOVQHS--TDGVFNPPFLAISTGNFVTLNSVR 236

Db 203 FQQRIR-----PANNISLENKWKGLSFQIRTSANGMFSEAVELERANGKYYVTAVD 256

Qy 237 SVIASLAIMLFV 248

Db 257 QVKPKIALLKVF 268

RESULT 7

US-09-765-527-253

; Sequence 253, Application US/09765527

; Patent No. US20020006638A1

GENERAL INFORMATION:

APPLICANT: Better, Marc D.
TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,527

FILING DATE: 18-Jan-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/621,803

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael F.

REGISTRATION NUMBER: 25,447

REFERENCE/DOCKET NUMBER: 27129/33199

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/474-6300

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 253:

SEQUENCE CHARACTERISTICS:

LENGTH: 309 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 253:

US-09-765-527-253

Query Match 21.4%; Score 278.5; DB 10; Length 309;

Best Local Similarity 33.3%; Pred. No. 3.5e-20;

Matches 84; Conservative 38; Mismatches 109; Indels 21; Gaps 7;

QY 8 VTHQTGDEYFRFTLLRDY---VSSGSFSNEIPLLRSTIPVSDAQRFLVLVLTNQGD 64

DB 27 VSFSTKGATYITYVNFLELVKLPKPNESHGIPLLRKC--DPPGKCFVLVALSNDNGQ 84

QY 65 SITAAIDVTNAYVAYAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFTGYSYTDLERYA 124

DB 85 LAETAIIDVTSVYVVGQYVRNRSYFFKADPAAYEGFLFKNTIKTR--LHFGGTYPSEGEK 142

QY 125 GHRDQIPLGIEQL---IQSVSALRYPGGSTRQAARSILILIQMISEAARF----NPILWR 177

DB 143 AYRETTDLGIEPLRIGIKKLDENAIIDNYKPTIASLLVLIQWVSEAAARFTFIENQIRNN 202

QY 178 YRQDINGSSEFLPDMYMLETSGQQSTQVQHS--TDCGFNNPRLAISTGNFVTLNVR 236

DB 203 FQQRIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELEERANGKYYVTAVD 256

QY 237 SVIASLAIMLFV 248

DB 257 QVKPKIALLKRV 268

RESULT 8

US-09-765-527-251

Sequence 251, Application US/09765527

Patent No. US20020006638A1

GENERAL INFORMATION:

APPLICANT: Better, Marc D.

TITLE OF INVENTION: Methods for Recombinant Microbial Production of Fusion Proteins and BPI-Derived Peptides

NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,527

FILING DATE: 18-Jan-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/621,803

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Borun, Michael F.

REGISTRATION NUMBER: 25,447

REFERENCE/DOCKET NUMBER: 27129/33199

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/474-6300

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 251:

SEQUENCE CHARACTERISTICS:

LENGTH: 332 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 251:

US-09-765-527-251

Query Match 21.4%; Score 278.5; DB 10; Length 332;

Best Local Similarity 33.3%; Pred. No. 3.9e-20;

Matches 84; Conservative 38; Mismatches 109; Indels 21; Gaps 7;

QY 8 VTHQTGDEYFRFTLLRDY---VSSGSFSNEIPLLRSTIPVSDAQRFLVLVLTNQGD 64

DB 27 VSFSTKGATYITYVNFLELVKLPKPNESHGIPLLRKC--DPPGKCFVLVALSNDNGQ 84

QY 65 SITAAIDVTNAYVAYAGDOSYFLRDAPRGAETHLFTGTTDRSSLPFTGYSYTDLERYA 124

DB 85 LAETAIIDVTSVYVVGQYVRNRSYFFKADPAAYEGFLFKNTIKTR--LHFGGTYPSEGEK 142

QY 125 GHRDQIPLGIEQL---IQSVSALRYPGGSTRQAARSILILIQMISEAARF----NPILWR 177

DB 143 AYRETTDLGIEPLRIGIKKLDENAIIDNYKPTIASLLVLIQWVSEAAARFTFIENQIRNN 202

QY 178 YRQDINGSSEFLPDMYMLETSGQQSTQVQHS--TDCGFNNPRLAISTGNFVTLNVR 236

DB 203 FQQRIR-----PANNTISLENKWKGLSFQIRTSANGMFSEAVELEERANGKYYVTAVD 256

QY 237 SVIASLAIMLFV 248

DB 257 QVKPKIALLKRV 268

RESULT 9

US-09-792-793A-36

Sequence 36, Application US/09792793A

Patent No. US20020168370A1

GENERAL INFORMATION:

APPLICANT: McDonald, John R.

APPLICANT: Coggin, Philip

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND OTHER INFLAMMATORY CONDITIONS AND DISORDERS

TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS

FILE REFERENCE: 25020-601D

CURRENT APPLICATION NUMBER: US/09/792,793A

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 36
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Momordica charantia
US-09-792-793A-36

Query Match 19.1%; Score 247.5; DB 9; Length 250;
Best Local Similarity 30.8%; Pred. No. 3.4e-17;
Matches 78; Conservative 38; Mismatches 106; Indels 31; Gaps 8;

QY 6 LRVTHQTGDEYFRITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRVLVVELNQODS 65
Db 10 LDNNPTT---YLSFTNRTKVDKTEQCTI-----QKSKTFTQSYDILVSVSTQK 61
QY 66 ITAAIDVTNAVYVAY-----QAGDSQYFLRDAPRGAEHLFTGTT-RDRSSLPFTGSDYL 120
Db 62 ITLAIDMADLYVLYGSDIANNKGRAFFKDVTEAVANNFFPGATGTNRKILFTFGSYGDL 121
QY 121 ERYAGHRDQIPGIBQLIQSVSALRYPGGSTRAQARSILILIQMISEAARFNPILMRYRQ 180
Db 122 EXNGGLRKNPNLIGIFELNSIYVYKAGDVKKQAKFLLAIQMVSEARF-----KYIS 176
QY 181 DINSGESF---LPDMYMLETSWQQSTQVQVHSTDG-----VFNNPRLAISTGNF 229
Db 177 DKIPSEKYEVTVDYMTALENNWAKLSTAVYNSKRPSTTTATKCOLATSP--VTISPWIF 234
QY 230 VILSNVRSVIASL 242
Db 235 KTVEEIKLVNGLL 247

RESULT 10
US-09-792-793A-35
; Sequence 35, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 35
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Saponaria officinalis
US-09-792-793A-35

Query Match 14.3%; Score 185.5; DB 9; Length 275;
Best Local Similarity 26.5%; Pred. No. 6.8e-11;
Matches 73; Conservative 51; Mismatches 106; Indels 45; Gaps 13;

QY 4 LRLRVTHQTGDEYFRITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRVLVVEL 58
Db 4 ITLDLVNPTAG-QYSSFVDKIRNNVD-----PNLKYGGTDIAVIGPPSKEKFLRINF 55
QY 59 TNOQDSITAAIDVTNAVYVAYQAGD-----QSYFLRDAPRGAE--THLF-TGTRDRSSL 111
Db 56 -QSSRGTVSLGKRDNLVYVAYLAMDNNTNVRAYFRSEITSAESTALFPEATANQKAL 114
QY 112 PFTGSYDILERYA-----GHRDQIPGIBQLIQSVSALRYPGGSTRAQARSILILIQMI 165
Db 115 EYEDYOSIEKNAQITQDQSRKELGIDLLSTSMNAVKNKARVVKDEARFLILAIQMT 174
QY 166 SEAAARFNPILMRYRQDI---NSGESFIPDMYMLETSWQQSTQVQ--HSTDGVFNPNPF 221
Db 175 AEAARF-----RYIQNLVKNFPNKNSENKVIQFEVNWKKISTAIYGDKNGVFNKDYD 229

QY 222 LAISTGNFVTLNVRSVIASLAIMLFCVGERPSS 256
Db 230 FG-----FGKVRQV-KOLQMGMLMYLKGKPKSS 255

RESULT 11
US-09-792-793A-85
; Sequence 85, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 85
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Methionine-Saporin fusion prot
US-09-792-793A-85

Query Match 14.2%; Score 185; DB 9; Length 254;
Best Local Similarity 27.2%; Pred. No. 6.9e-11;
Matches 65; Conservative 48; Mismatches 90; Indels 36; Gaps 11;

QY 4 LRLRVTHQTGDEYFRITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAQRVLVVEL 58
Db 5 ITLDLVNPTAG-QYSSFVDKIRNNVD-----PNLKYGGTDIAVIGPPSKEKFLRINF 56
QY 59 TNOQDSITAAIDVTNAVYVAYQAGD-----QSYFLRDAPRGAE--THLF-TGTRDRSSL 111
Db 57 -QSSRGTVSLGKRDNLVYVAYLAMDNNTNVRAYFRSEITSAESTALFPEATANQKAL 115
QY 112 PFTGSYDILERYA-----GHRDQIPGIBQLIQSVSALRYPGGSTRAQARSILILIQMI 165
Db 116 EYEDYOSIEKNAQITQDQSRKELGIDLLSTSMNAVKNKARVVKDEARFLILAIQMT 175
QY 166 SEAAARFNPILMRYRQDI---NSGESFIPDMYMLETSWQQSTQVQ--HSTDGVFNPNPF 220
Db 176 AEAARF-----RYIQNLVKNFPNKNSENKVIQFEVNWKKISTAIYGDKNGVFNKDY 229

RESULT 12
US-09-792-793A-79
; Sequence 79, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 79
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion protein
US-09-792-793A-79

Query Match 14.2%; Score 185; DB 9; Length 327;
Best Local Similarity 27.2%; Pred. No. 9.8e-11;

[illegible]

Query Match 14.2%; Score 185; DB 9; Length 330;
Best Local Similarity 27.2%; Pred.No.9.9e-11;
Matches 65; Conservative 48; Mismatches 90; Indels 36; Gaps 11;

QY 4 LRLRVTHQTTGDEYFRFITLLRDYVSSGSFSNEIPLRQ-----STIPVSDAQRFVLVEL 58
Db 81 ITLDLVNPTAG-QYSSFVDKIRNVKD-----PNLYKGGTDIAVIGPPSKCKFLRINF 132
QY 59 TNOQGDITAAIDVTNAVYVAYOAGD-----QSYFLRDPARGAE-THLF-TGTTDRSSL 111
Db 133 -QSSRGVSLGLKEDNLVYVAYLAWDMTNVNAVYFRSEITSAESTALFEATTANQKAL 191
QY 112 PFTCSYTDLERYA-----GHRQOIPIGISQLQSVSALRYPGGSTRQAARSILILIQMI 165
Db 192 EYTEDYQISIEKNAQITQGDOSRKELGILGILLSTSEAVNKKARVVKVDEARFLLIAIOMT 251
QY 166 SEARFNPILWRVYRQDI---NSGESFLPDMMYLELETSMGQOSTQVQ-HSTDGVFNFPF 220
Db 252 AEARF-----RIGNLVKNFKFNKFNSENKVIQFEVNWKKIATAYIGDAKNGVFNKDY 305

RESULT 14
US-09-792-793A-73
; Sequence 73, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D

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; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 73
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion protein
; OTHER INFORMATION: MCP1-AM-SAPORIN
US-09-792-793A-73

Query Match          14.2%; Score 185; DB 9; Length 332;
Best Local Similarity 27.2%; Pred. No. 1e-10;
Matches 65; Conservative 48; Mismatches 90; Indels 36; Gaps 11;

QY  4 LRLRVTHQTGDEYFRFITLLRDYVSSGFSNEIPLLRQ-----STIPVSDAORFVLVEL 58
DB  83 ITLDLVNPTAG-QYSSFVDKIRNNVKD-----PNLKYGCTDIAVIGPPSKKFLRINF 134

QY  59 TNQGDSTIAALDVNTNAYVAYOAGD-----QSYFLRDAPRGAE-THLP-TGTRDRSSL 111
DB  135 -QSSRGTVSLGLKRDNLVYVAYLAWDNTNWRAYFRSEITSAESTALFPEATTAQKAL 193

QY  112 PFTGSYTDLERYA-----GHRDQIPLGIEQLIQSVSALRYPGSGSTRAQARSTLLIIQMI 165
DB  194 EYTDYQSIKNAQITQGDQSRKEGLGLDILLSTSWEANVKARVVKDEARFLLIIQMT 253

QY  166 SEARFNPILWRYRDI---NSGESFLPDMYMLETSMGQOSTQVQ-HSTDGVFNPF 220
DB  254 AEAARF-----RYIQNLVIKPNPFNFSENKVIQPEVNNWKISTAIYGDAKNGVFNKDY 307

RESULT 15
US-09-792-793A-76
; Sequence 76, Application US/09792793A
; Patent No. US20020168370A1
; GENERAL INFORMATION:
; APPLICANT: McDonald, John R.
; APPLICANT: Coggin, Philip
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
; TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
; FILE REFERENCE: 25020-601D
; CURRENT APPLICATION NUMBER: US/09/792,793A
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 76
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin Fusion Protein
; OTHER INFORMATION: MCP3-AM-SAPORIN
US-09-792-793A-76

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Query Match	14.2%;	Score 185;	DB 9;	Length 332;
Best Local Similarity	27.2%;	Pred. No. 1e-10;		
Matches	65;	Conservative 48;	Mismatches 90;	Indels 36; Gaps 11;

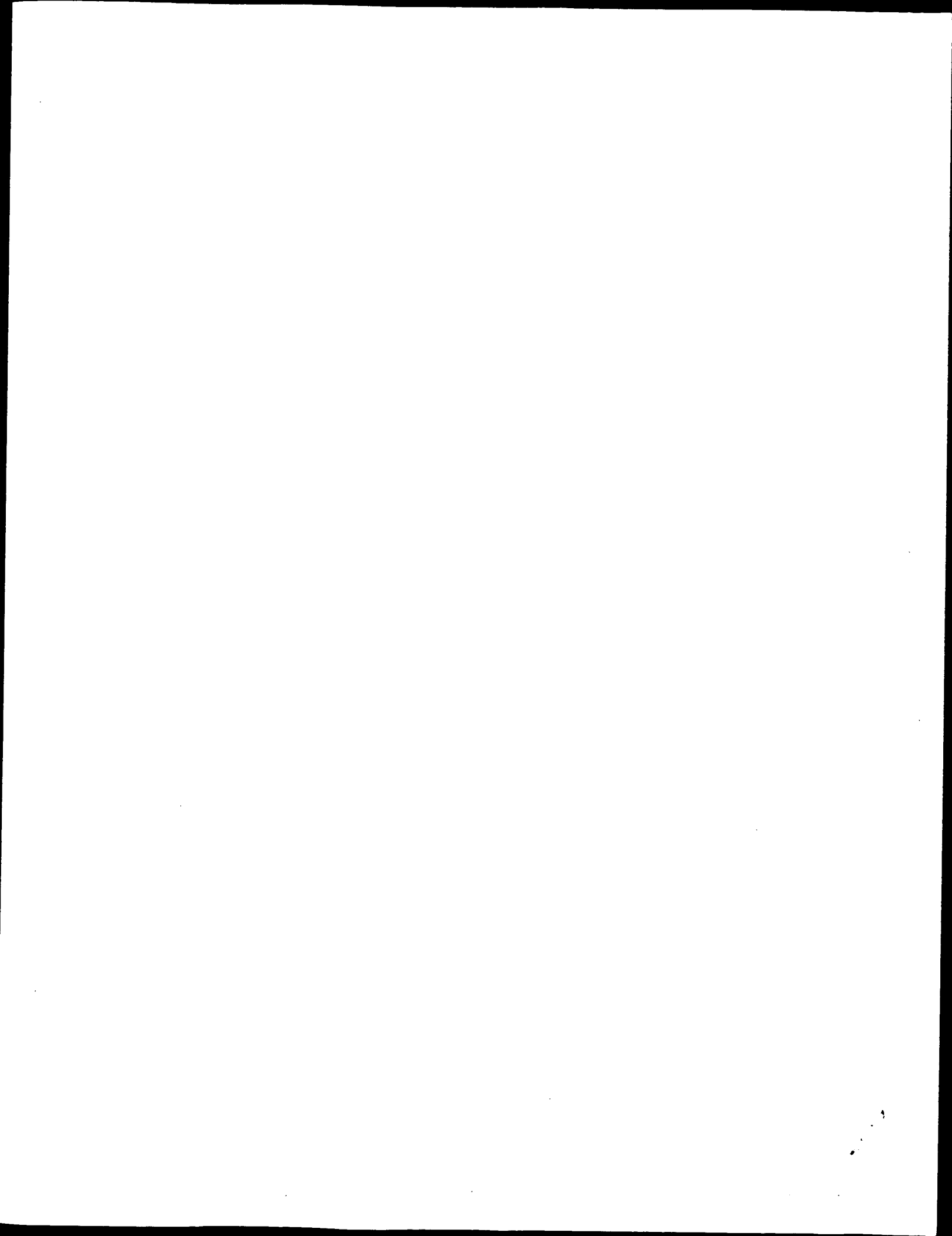
QY	4	LRLRVHTQTGDEYFRITLLRDYVSSGSFNEIPLLRQ-----STIPVSDAQRFVLVEL	58
Dd	:	: : : : : : : : : : : : : : : : : :	:
Dd	83	ITLVLVNPTAG-QYSSFVDKIRNNVKD-----PNLYGGTDAIVIGPPSKEKFLRINF	134
QY	59	TNQCQDSITRAIDVTNAVWAYQAQG-----QSYPFLDRAPGAEE-THLFP-TGTTRDRSSL	111
Dd	:	: : : : : : : : : : : : : : : : : :	:
Dd	135	-QSSRGTVSLGLKEDNLNVAYLAYMDNTNVNRYFYRSEITSAEStALFPEATTANQAKAL	193
QY	112	PFTGSYTDLERYA-----GHRDDPIGIEOLIOSVSALRYPGGSTRAQARSILIIOMI	165
Dd	:	: : : : : : : : : : : : : : : : : :	:
Dd	194	EYTEDYGSIENKAQIQGDOSRKELGLGIDLLSTSMEAVNKFKARVVVKDEARFLLIATQMT	253
Dd	:	: : : : : : : : : : : : : : : : : :	:

us-09-601-667c-38.rapb

Sat Mar 22 10:41:24 2003

Oy 166 SEARFNPILMYRDI---NSGESELPDMYMLELETSWGQOSTOVQ-HSTDGVENNPF 220
Db 254 AEAARF-----RYIONLVIRKFNKFNSENKVIQFEVNWKKISTAIYCDANGVFNKDY 307

Search completed: March 22, 2003, 10:37:39
Job time : 9.99525 secs



GenCore version 5.1.4 p5_4578
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OM protein - protein search, using sw model

Run on: March 22, 2003, 09:56:55 ; Search time 7.90123 Seconds
(without alignments)
953.303 Million cell updates/sec

Title: US-09-601-667C-38

Perfect score: 1299

Sequence: 1 YERLRVRVTHQTGGDEYFRF.....SVIASIALMLFVCGERPSS 256

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/prodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/prodata/2/iaa/5A_COMB.pep.*
4: /cgn2_6/prodata/2/iaa/5B_COMB.pep.*
5: /cgn2_6/prodata/2/iaa/5A_COMB.pep.*
6: /cgn2_6/prodata/2/iaa/5B_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1188	91.5	564	4	US-08-776-059-35
2	1174	90.4	253	4	US-08-776-059-31
3	1089	83.8	235	4	US-08-776-059-39
4	466.5	35.9	250	1	US-08-378-761A-71
5	466.5	35.9	250	1	US-08-485-286-71
6	396	30.5	267	1	US-07-901-707-1
7	396	30.5	267	1	US-07-988-430-1
8	396	30.5	267	1	US-08-218-303-16
9	396	30.5	267	1	US-08-425-336-1
10	396	30.5	267	1	US-08-488-113B-1
11	396	30.5	267	1	US-08-477-484B-1
12	396	30.5	267	2	US-08-646-360-1
13	396	30.5	267	2	US-08-338-793D-61
14	396	30.5	267	4	US-08-839-765-1
15	396	30.5	267	4	US-09-136-389-1
16	396	30.5	267	4	US-09-610-838-1
17	396	30.5	267	5	PCT-US92-09487-1
18	396	30.5	268	2	US-08-356-786-8
19	396	30.5	534	2	US-08-356-786-10
20	392.5	30.2	540	1	US-08-378-761A-77
21	392.5	30.2	540	1	US-08-485-286-77
22	392	30.2	290	1	US-08-378-761A-27
23	392	30.2	290	1	US-08-485-286-27
24	392	30.2	290	6	5248606-4
25	334	25.7	282	1	US-08-324-301-15
26	329	25.3	267	1	US-08-378-761A-74
27	329	25.3	267	1	US-08-485-286-74

28	327	25.2	247	1	US-08-488-113B-6	Sequence 6, Appli
29	327	25.2	247	1	US-08-477-484B-6	Sequence 6, Appli
30	327	25.2	247	1	US-08-646-360-6	Sequence 6, Appli
31	327	25.2	247	4	US-08-839-765-6	Sequence 6, Appli
32	327	25.2	247	4	US-09-136-389-6	Sequence 6, Appli
33	327	25.2	247	4	US-09-610-838-6	Sequence 6, Appli
34	327	25.2	247	4	US-07-923-692C-4	Sequence 4, Appli
35	322	24.8	289	1	US-08-184-237-4	Sequence 4, Appli
36	322	24.8	289	2	US-08-482-920-4	Sequence 4, Appli
37	322	24.8	289	3	US-08-484-341-4	Sequence 4, Appli
38	322	24.8	289	4	US-08-483-502-4	Sequence 4, Appli
39	322	24.8	289	4	US-09-726-651A-4	Sequence 4, Appli
40	314	24.2	263	1	US-07-901-707-4	Sequence 4, Appli
41	314	24.2	263	1	US-07-988-430-4	Sequence 4, Appli
42	314	24.2	263	1	US-08-425-336-4	Sequence 4, Appli
43	314	24.2	263	1	US-08-488-113B-4	Sequence 4, Appli
44	314	24.2	263	1	US-08-477-484B-4	Sequence 4, Appli
45	314	24.2	263	2	US-08-646-360-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1

US-08-776-059-35
; Sequence 35, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgens
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776.059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 564
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-35

Query Match 91.5%; Score 1188; DB 4; Length 564;
Best Local Similarity 92.6%; Pred. No. 4.1e-116;
Matches 237; Conservative 5; Mismatches 12; Indels 2; Gaps 1;

QY	1	YERLRVRVTHQTGGDEYFRF	ILLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVELTN	60
DB	34	YERLRVRVTHQTGGDEYFRF	ILLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVELTN	93
QY	61	CGQDSITAAIDVNNAYVAYQAGDSYFLRDAPRGAETHLTGTTRBSSLPFTGSYIDL	120	
DB	94	CGQDSITAAIDVNNAYVAYQAGDSYFLRDAPRGAETHLTGTTRBSSLPFTGSYIDL	151	
QY	121	ERYAGHRDQIPLGTGEPQLTQSVSALRYPGGSTRACQARSILIIQIMSEAAENFPLWRVQ	180	
DB	152	ERYAGHRDQIPLGTGEPQLTQSVSALRYPGGSTRACQARSILIIQIMSEAAENFPLWRVQ	211	
QY	181	DINGSEFLPMYMLETSGVQSTQVQHSHTDGVNPNPFLAISTGNFVTLNVRSVIA	240	
DB	212	YINGSEFLPMYMLETSGVQSTQVQHSHTDGVNPNPFLAISTGNFVTLNVRSVIA	271	
QY	241	SLAIMLFVCGERPSS	256	
DB	272	SLAIMLFVCGERPSS	287	

RESULT 2

US-08-776-059-31
; Sequence 31, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Viscum album
US-08-776-059-31

Query Match 90.4%; Score 1174; DB 4; Length 253;
Best Local Similarity 91.7%; Pred. No. 3.6e-115; Indels 2; Gaps 1;
Matches 233; Conservative 7; Mismatches 12;

Qy 1 YERLRVTHQTTGDEYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTN 60
Db 2 YERLRVTHQTTGDEYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTN 61

Qy 61 QGDSITAAIDVTNAYVAYQAGDSYFLRDAPRGAETHLFTGTTDRSSLPFTGSDTL 120
Db 62 QGDSITAAIDVTNLYVAYQAGDSYFLRDAPRGAETHLFTGTT--RSSLPFNGSPDL 119

Qy 121 ERYAGHRDQIPLGTEQLIQSVSALRYPGSGTRAQARSILILIQMISEAARFNPILWRQ 180
Db 120 ERYAGHRDQIPLGTDQLIQSVTLRFPFGSGTTRQARSILILIQMISEAARFNPILWRQ 179

Qy 181 DINGSEFLPDYMLLETSGQOSTQVQHSYTDGVNPPFRLAISTGNFVTLNVRVIA 240
Db 180 YINGASFLPDYMLLETSGQOSTQVQHSYTDGVNPPFRLAISTGNFVTLNVRVIA 239

Qy 241 SLAIMLFVCGRPS 254
Db 240 SLAIMLFVCGRPS 253

RESULT 3

US-08-776-059-39
; Sequence 39, Application US/08776059B
; Patent No. 6271368
; GENERAL INFORMATION:
; APPLICANT: LENTZEN, Hans
; APPLICANT: ECK, Jurgen
; APPLICANT: BAUR, Axel
; APPLICANT: ZINKE, Holger
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)
; FILE REFERENCE: 674503-2003
; CURRENT APPLICATION NUMBER: US/08/776,059B
; CURRENT FILING DATE: 1999-06-19
; EARLIER APPLICATION NUMBER: PCT/EP96/02273
; EARLIER FILING DATE: 1996-06-25
; EARLIER APPLICATION NUMBER: 95109949.8
; EARLIER FILING DATE: 1995-06-26
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Viscum album

US-08-776-059-39

Query Match 83.8%; Score 1089; DB 4; Length 235;
Best Local Similarity 92.0%; Pred. No. 2.6e-106; Indels 2; Gaps 1;
Matches 218; Conservative 5; Mismatches 12;

Qy 18 FRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGDSITAAIDVTNAYV 77
Db 1 FRFITLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGDSITAAIDVTNLYV 60

Qy 78 VAYQAGDSYFLRDAPRGAETHLFTGTTDRSSLPFTGSDTLERYAGHRDQIPLGIEOL 137
Db 61 VAYQAGDSYFLRDAPRGAETHLFTGTT--RSSLPFNGSYDPLERYAGHRDQIPLGIDQL 118

Qy 138 IQSVSALRYPGSGTRAQARSILILIQMISEAARFNPILWRQDINSGESFLPDYMLLEL 197
Db 119 IQSVTLRFPFGSGTTRQARSILILIQMISEAARFNPILWRARQYINGASFLPDYMLLEL 178

Qy 198 ETSWQOSTQVQHSYTDGVNPPFRLAISTGNFVTLNVRVSIASLAIMLFVCGRPS 254
Db 179 ETSWQOSTQVQHSYTDGVNPPFRLAISTGNFVTLNVRDVIASLAIMLFVCGRPS 235

RESULT 4

US-08-378-761A-71
; Sequence 71, Application US/08378761A
; Patent No. 5635384
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/378,761A
; FILING DATE: 26-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-378-761A-71

Query Match 35.9%; Score 466.5; DB 1; Length 250;
Best Local Similarity 43.1%; Pred. No. 5.4e-41; Indels 27; Gaps 7;
Matches 109; Conservative 37; Mismatches 80;

Qy 9 THQTTGDEYFRFTLLRDYVSSGFSNEIPLLRQSTIPVSDAQRFLVLTNQGDSITAA 68
Db 9 TEGATSQSYKQFIEALRERL-RGGIHDIPVLPDPT-TLQERNYITVELSNSDTSIESV 66

[illegible]

RESULT 5

US-08-485-286-71
; Sequence 71, Application US/08485286
; Patent No. 5646026
; Patent No. 5646026 5646119
; GENERAL INFORMATION:
; APPLICANT: WALSH, TERENCE A
; APPLICANT: HEY, TIMOTHY D
; APPLICANT: MORGAN, ALICE ER
; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE
; TITLE OF INVENTION: PRECURSOR FORMS THEREOF, A PROCESS FOR MAKING A METHOD OF
; TITLE OF INVENTION: USING
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ANDREA T. BORUCKI
; STREET: 9330 ZIONSVILLE ROAD
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: US
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,286
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/378761
; FILING DATE: 26-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BORUCKI, ANDREA T
; REGISTRATION NUMBER: 33651
; REFERENCE/DOCKET NUMBER: 38272B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 337-4846
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-485-286-71

Qy	69	AIDVTNAYVVVAQAGDQSFLFADAPRGAEHLFTGCTTDRSSLPFGSYTLERYAGH-R	127
Dd	67	GIDVNTNAYVVYVRAGTQSFYFLRDPASSASDYLTGT--DOHSLPFPYGTYGLDERWAHQSR	124
Qy	128	DOIPLGIEQLIQSVSALRYPGGSTRAQAARSILILQIMISEAARFNPILRWRQDINSGES	187
Dd	125	OQIPLGLQALTHGISPFRRGGNDNEKARTLIVIIQMVAEARFYISNRVRSIQTGTA	184
Qy	188	FLPDVMYLETSWGOQSQQVQHSTGDGVNNPFRLAISTGNFVLTSNVRS-----	237
Dd	185	FQPDAAIMI SLENNW-DNLRGVQESVDQIFPNQ-----VILTNRNEFPVI VDSLH	233
Qy	238	-VIASLAIMLFVC	249
Dd	234	PTVAIVIAIMLFVC	246

RESULT 6

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US-07-901-707-1
; Sequence 1, Application US/07901707
; Patent No. 5376546
; GENERAL INFORMATION:
; APPLICANT: Bernhard, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Steve F.
; APPLICANT: Lane, Julie A.
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/901,707
; FILING DATE: 19920619
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5376546and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27129/30910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-5750
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-901-707-1

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QY 67 TAAIDVTNAYVAYQAGDSYFLR--DAPRGAE--THLFTGTTDRSSLPFTGSGYTDLERY 123
 Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEDAEATHLFT-DVQNRYYTFAFGNVDRLQOL 129
 QY 124 AGH-RDQIPGLIEQLIQSVLRY---PGGSTRAQAARSILILIQMISEAARFNPILWRYR 179
 Db 130 AGNLRNIELGNGLPEEAISALYYSTGTOPLTLARSAFIICQIMISEAARFQVIEGEMR 189
 QY 180 QDINSGESFLPDYMYLETSWGQOSTOVHSTGDFVNNPRLAISTGNFVTLNRSVSI 239
 Db 190 TRIRYNRSAPDPSPVITLNSWGRUSTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
 QY 240 ASLAIMLVCGGERPSS 255
 Db 250 PIIALMVYRCAPPSS 265

RESULT 7

US-07-988-430-1
 ; Sequence 1, Application US/07988430
 ; Patent No. 5416202

GENERAL INFORMATION:

APPLICANT: Bernhard, Susan L.
 APPLICANT: Better, Marc D.
 APPLICANT: Carroll, Stephen F.
 APPLICANT: Lane, Julie A.
 APPLICANT: Lei, Shau-Ping
 TITLE OF INVENTION: Materials Comprising and Methods of
 TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins
 NUMBER OF SEQUENCES: 101
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
 ADDRESSEE: Bicknell
 STREET: Two First National Plaza, 20 South Clark
 STREET: Street
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/988,430
 FILING DATE: 19921209
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/901,707
 FILING DATE: 19-JUN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/787,567
 FILING DATE: 04-NOV-1991

ATTORNEY/AGENT INFORMATION:

NAME: No. 5416202and, Greta E.
 REGISTRATION NUMBER: 35302
 REFERENCE/DOCKET NUMBER: 31133
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (312) 346-5750
 TELEFAX: (312) 984-9740
 TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
 LENGTH: 267 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-07-988-430-1

Query Match 30.5%; Score 396; DB 1; Length 267;
 Best Local Similarity 40.2%; Pred. No. 1.5e-33;

Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;
 QY 9 THQTTGDEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVELTNOGQDSI 66
 Db 13 TAGATVQSTNFIKRAVGRLLTGADVRHEIPVLPNRVGLPIN--QRFLVELSNHAEUSV 70
 QY 67 TAAIDVTNAYVAYQAGDSYFLR--DAPRGAE--THLFTGTTDRSSLPFTGSGYTDLERY 123
 Db 71 TLALDVTNAYVVGVRAGNSAYFFHPDNOEDAEATHLFT-DVQNRYYTFAFGNVDRLQOL 129
 QY 124 AGH-RDQIPGLIEQLIQSVLRY---PGGSTRAQAARSILILIQMISEAARFNPILWRYR 179
 Db 130 AGNLRNIELGNGLPEEAISALYYSTGTOPLTLARSAFIICQIMISEAARFQVIEGEMR 189
 QY 180 QDINSGESFLPDYMYLETSWGQOSTOVHSTGDFVNNPRLAISTGNFVTLNRSVSI 239
 Db 190 TRIRYNRSAPDPSPVITLNSWGRUSTAIQESNQAFASPIQLQRRNGSKFSVYDVSILI 249
 QY 240 ASLAIMLVCGGERPSS 255
 Db 250 PIIALMVYRCAPPSS 265

RESULT 8

US-08-218-303-16
 ; Sequence 16, Application US/08218303
 ; Patent No. 5547867

GENERAL INFORMATION:

APPLICANT: Kara, Bhupendra V.
 APPLICANT: Hockney, Robert E.
 APPLICANT: Fitton, John E.
 TITLE OF INVENTION: FERMENTATION PROCESS
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cushman, Darby & Cushman
 STREET: 1615 L Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20036-5601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/218,303
 FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/841,533
 FILING DATE: 26-FEB-1992

ATTORNEY/AGENT INFORMATION:

NAME: Kokulis, Paul N.
 REGISTRATION NUMBER: 16,773
 REFERENCE/DOCKET NUMBER: PNK/3893/94908/MJW
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-861-3000
 TELEFAX: 202-822-0944
 TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
 LENGTH: 267 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-218-303-16

Query Match 30.5%; Score 396; DB 1; Length 267;

Best Local Similarity 40.2%; Pred. No. 1.5e-33;

Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTTGDEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVELTNOGQDSI 66


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Db 13 TAGATVQSYTNFIRAVRGLTTGADVHRHEIPVLPNRVGLPIN--QRFILVELSNHAEISV 70
QY 67 TAAIDVTNAVYVAYOAGDOSYFLR-DAPRGAE--THLFTGTTDRSSLPFTGYSYTDLERY 123
Db 71 TLALDVTNAVYVGRAGNSAYFFHPDNQDEAETHLFT-DVQNRVTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGLIGIEQLIOSVSALRY---PGGSTRAQARSILILQIMISEAARFPIWRYR 179
Db 130 AGNLRNIELGNGLPEBAISALVYVSTGGTQLPTLARSFICIQIMISEAARFPIEGEMR 189
QY 180 QDINSGESFLPDYMLELTSWQOOSTQVQHSSTDGVNPNPRLAISTGTFVILSNVRSVI 239
Db 190 TRIRYNRRSAPDPSVITLNSWGLRSTAIQESNOGAFASPIQLQRRNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
Db 250 PIALMVYRCAPPSS 265

RESULT 9
US-08-425-336-1
; Sequence 1, Application US/08425336
; Patent No. 5621083
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 140
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/425,336
; FILING DATE: 18-APR-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,691
; FILING DATE: 12-MAY-1993
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Thomas C.
; REGISTRATION NUMBER: P-36,989
; REFERENCE/DOCKET NUMBER: 31394
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-425-336-1

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Query Match 30.5%; Score 396; DB 1; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;

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Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;
QY 9 THQTTGDYFFFIILLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVLTNQGDSDI 66
Db 13 TAGATVQSYTNFIRAVRGLTTGADVHRHEIPVLPNRVGLPIN--QRFILVELSNHAEISV 70
QY 67 TAAIDVTNAVYVAYOAGDOSYFLR-DAPRGAE--THLFTGTTDRSSLPFTGYSYTDLERY 123
Db 71 TLALDVTNAVYVGRAGNSAYFFHPDNQDEAETHLFT-DVQNRVTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGLIGIEQLIOSVSALRY---PGGSTRAQARSILILQIMISEAARFPIWRYR 179
Db 130 AGNLRNIELGNGLPEBAISALVYVSTGGTQLPTLARSFICIQIMISEAARFPIEGEMR 189
QY 180 QDINSGESFLPDYMLELTSWQOOSTQVQHSSTDGVNPNPRLAISTGTFVILSNVRSVI 239
Db 190 TRIRYNRRSAPDPSVITLNSWGLRSTAIQESNOGAFASPIQLQRRNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
Db 250 PIALMVYRCAPPSS 265

RESULT 10
US-08-488-113B-1
; Sequence 1, Application US/08488113B
; Patent No. 5744580
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,113B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,336
; FILING DATE: 18-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX: 650 388-1248

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; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-488-1138-1

Query Match 30.5%; Score 396; DB 1; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTGDEYFFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVELTNGQDSI 66
DB 13 TAGATVQSYTNFIRAVRGLTTGADVREIPLVPLNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNAYVAYVQAGDSYFLR-DAPRGAE--THLFTGTTDRDRLPFTGYSYTLERY 123
DB 71 TLALDVTNAYVGVYRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIEQLIQSVSALRY---PGGSTRAQAARSILILQIMISEAARFNPILMYR 179
DB 130 AGNLRNIELGNGLPEEAISALYYVSTGGTQLPTLARSFIICIQIMISEAARFOYIEGEMR 189
QY 180 QDINGSSEFLPDMYMLETWSGQOSTQVQHSHTDGVFNPNFRLAISTGNFVTLNRSVI 239
DB 190 TRIRYNRSAPDPSVITLNSWGLRLSTAIQESNQGFASPIQLQRRNGSKFSVYDVSI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIALMVYRCAPPSS 265

RESULT 11

US-08-477-484B-1
; Sequence 1, Application US/08477484B
; Patent No. 5756699
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,484B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/425,336
; FILING DATE: 18-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 11022US07/200-70.P3.C2A
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX: 650 388-1248
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-477-484B-1

Query Match 30.5%; Score 396; DB 1; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTGDEYFFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRFLVELTNGQDSI 66
DB 13 TAGATVQSYTNFIRAVRGLTTGADVREIPLVPLNRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNAYVAYVQAGDSYFLR-DAPRGAE--THLFTGTTDRDRLPFTGYSYTLERY 123
DB 71 TLALDVTNAYVGVYRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPLGIEQLIQSVSALRY---PGGSTRAQAARSILILQIMISEAARFNPILMYR 179
DB 130 AGNLRNIELGNGLPEEAISALYYVSTGGTQLPTLARSFIICIQIMISEAARFOYIEGEMR 189
QY 180 QDINGSSEFLPDMYMLETWSGQOSTQVQHSHTDGVFNPNFRLAISTGNFVTLNRSVI 239
DB 190 TRIRYNRSAPDPSVITLNSWGLRLSTAIQESNQGFASPIQLQRRNGSKFSVYDVSI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIALMVYRCAPPSS 265

RESULT 12

US-08-646-360-1
; Sequence 1, Application US/08646360
; Patent No. 5837491
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,360
; FILING DATE: 13-MAY-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05348
; FILING DATE: 12-MAY-1994

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/064,691
; FILING DATE: 12-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,430
; FILING DATE: 09-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/901,707
; FILING DATE: 19-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McNicholas, Janet M.
; REGISTRATION NUMBER: 32,918
; REFERENCE/DOCKET NUMBER: 200-70.P4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX: 650 388-1248
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-646-360-1

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Query Match 30.5%; Score 396; DB 2; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTGDEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGQDSI 66
DB 13 TAGATVQSYTNFRAVRGRLLTGADVRHEIPVLPNVRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNAVYVAYQAGDSQSYFLR-DAPRGAE--THLFTGTTRDRSSLPTGTYDLERY 123
DB 71 TLALDVTNAVYVGRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGIGIQISVSALRY---PGGSTRQAARSILLIOMISEAARFNPILWRYR 179
DB 130 AGNLRNIELNGPFLBEAISALYYSTGGTQLPTLARSFFIICQIMISEAARFQIEGMR 189
QY 180 QDINSGESFLPDWYMLETSSWGOQSTOVQHSITDGVFNNPFLAISTGTFVTLNVRSVI 239
DB 190 TRIRYNRSAPDPSVITLNSWGLRLSTAIQESNQGFASPIQLORNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIIALMVYRCAPPSS 265

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RESULT 13
US-08-338-793D-61
; Sequence 61, Application US/08338793D
; Patent No. 5840521
; GENERAL INFORMATION:
; APPLICANT: Barth, Peter Thomas
; TITLE OF INVENTION: VECTOR
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN DABRY CUSHMAN
; ADDRESSEE: INTELLECTUAL PROPERTY GROUP OF
; ADDRESSEE: PILLSBURY MADISON & SUTRO, L.L.P.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
; COMPUTER: IBM PC/XT/AT Compatibles

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; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word or ASCII editors
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/338,793D
; FILING DATE: 08-NOV-94
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/842,081
; FILING DATE: 26-FEB-92
; CLASSIFICATION: 435
; APPLICATION NUMBER: 9104017.0
; FILING DATE: 26-FEB-91
; APPLICATION NUMBER: 9109188.4
; FILING DATE: 29-APR-91
; ATTORNEY/AGENT INFORMATION:
; NAME: KOKULLIS, Paul N.
; REGISTRATION NUMBER: 16,773
; REFERENCE/DOCKET NUMBER: DJB/9901/215431/TGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-338-793D-61

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Query Match 30.5%; Score 396; DB 2; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTGDEYFRFTLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAORFVLVELTNOGQDSI 66
DB 13 TAGATVQSYTNFRAVRGRLLTGADVRHEIPVLPNVRVGLPIN--QRFILVELSNHAELSV 70
QY 67 TAAIDVTNAVYVAYQAGDSQSYFLR-DAPRGAE--THLFTGTTRDRSSLPTGTYDLERY 123
DB 71 TLALDVTNAVYVGRAGNSAYFFHPDQEDAEATHLFT-DVQNRVYTFAGGNYDRLEQL 129
QY 124 AGH-RDQIPGIGIQISVSALRY---PGGSTRQAARSILLIOMISEAARFNPILWRYR 179
DB 130 AGNLRNIELNGPFLBEAISALYYSTGGTQLPTLARSFFIICQIMISEAARFQIEGMR 189
QY 180 QDINSGESFLPDWYMLETSSWGOQSTOVQHSITDGVFNNPFLAISTGTFVTLNVRSVI 239
DB 190 TRIRYNRSAPDPSVITLNSWGLRLSTAIQESNQGFASPIQLORNGSKFSYVDVSILI 249
QY 240 ASLAIMLFVCGERPSS 255
DB 250 PIIALMVYRCAPPSS 265

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RESULT 14
US-08-839-765-1
; Sequence 1, Application US/08839765
; Patent No. 6146631
; GENERAL INFORMATION:
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Stephen F.
; APPLICANT: Studnika, Gary M.
; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street, 34th floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60661

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/839,765
FILING DATE: 15-APR-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/425,336
FILING DATE: 18-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 11022US09/200-70.P3.C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-839-765-1

Query Match 30.5%; Score 396; DB 4; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTTGDEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRVFLVELTNQGDSDI 66
Db 13 TAGATVQSYTNFIRAVRGLTGDVVRHEIPVLPNRVGLPIN--QRFLVELSNHAELSV 70

QY 67 TAAIDVTNAYVAYOAGDSYFLR-DAPRGAE--THLFTGTTDRDSSLPTGSGYTDLERY 123
Db 71 TLALDVTNAYVYVGRAGNSAYFFPHDNOEDAEATHLFT-DVQNRYTFAFGGNYDRLEQL 129

QY 124 AGH-RDQIPLGIEQLIQSVSALRY---PGGSTRAQAARSILILQIMISEAARFNPIILWYR 179
Db 130 AGNLRNIELNGPLLEAISAALYYSTGCTQLPLARSFFICIMISEAARFQYIEGMR 189

QY 180 QDINGSSEFLPDMYMLETSGWQOSTQVQHSHTDGVNFPNPRLAISTGNFVTLNSVRVI 239
Db 190 TRIYRNRRSAPDPSVITLNSWGRLSAIOESNQAFASPIQLQRRNGSKFSVYDVDSILI 249

QY 240 ASLAIMLVCGGERPSS 255
Db 250 PIILMVYRCAPPSS 265

RESULT 15
US-09-136-389-1
Sequence 1, Application US/09136389
Patent No. 6146850
GENERAL INFORMATION:
APPLICANT: Better, Marc D.
APPLICANT: Carroll, Stephen F.
APPLICANT: Studnika, Gary M.

TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
TITLE OF INVENTION: Proteins
NUMBER OF SEQUENCES: 173
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held & Malloy, Ltd.
STREET: 500 West Madison Street, 34th floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/136,389
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/646,360
FILING DATE: 13-MAY-1996
APPLICATION NUMBER: PCT/US94/05348
FILING DATE: 12-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/064,691
FILING DATE: 12-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/988,430
FILING DATE: 09-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/901,707
FILING DATE: 19-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,567
FILING DATE: 04-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: McNicholas, Janet M.
REGISTRATION NUMBER: 32,918
REFERENCE/DOCKET NUMBER: 200-70.P4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/707-8889
TELEFAX: 312/707-9155
TELEX: 650 388-1248
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 267 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-136-389-1

Query Match 30.5%; Score 396; DB 4; Length 267;
Best Local Similarity 40.2%; Pred. No. 1.5e-33;
Matches 103; Conservative 45; Mismatches 96; Indels 12; Gaps 8;

QY 9 THQTTGDEYFRITLLRDYVSSGS-FSNEIPLL-RQSTIPVSDAQRVFLVELTNQGDSDI 66
Db 13 TAGATVQSYTNFIRAVRGLTGDVVRHEIPVLPNRVGLPIN--QRFLVELSNHAELSV 70

QY 67 TAAIDVTNAYVAYOAGDSYFLR-DAPRGAE--THLFTGTTDRDSSLPTGSGYTDLERY 123
Db 71 TLALDVTNAYVYVGRAGNSAYFFPHDNOEDAEATHLFT-DVQNRYTFAFGGNYDRLEQL 129

QY 124 AGH-RDQIPLGIEQLIQSVSALRY---PGGSTRAQAARSILILQIMISEAARFNPIILWYR 179
Db 130 AGNLRNIELNGPLLEAISAALYYSTGCTQLPLARSFFICIMISEAARFQYIEGMR 189

QY 180 QDINGSSEFLPDMYMLETSGWQOSTQVQHSHTDGVNFPNPRLAISTGNFVTLNSVRVI 239
Db 190 TRIYRNRRSAPDPSVITLNSWGRLSAIOESNQAFASPIQLQRRNGSKFSVYDVDSILI 249

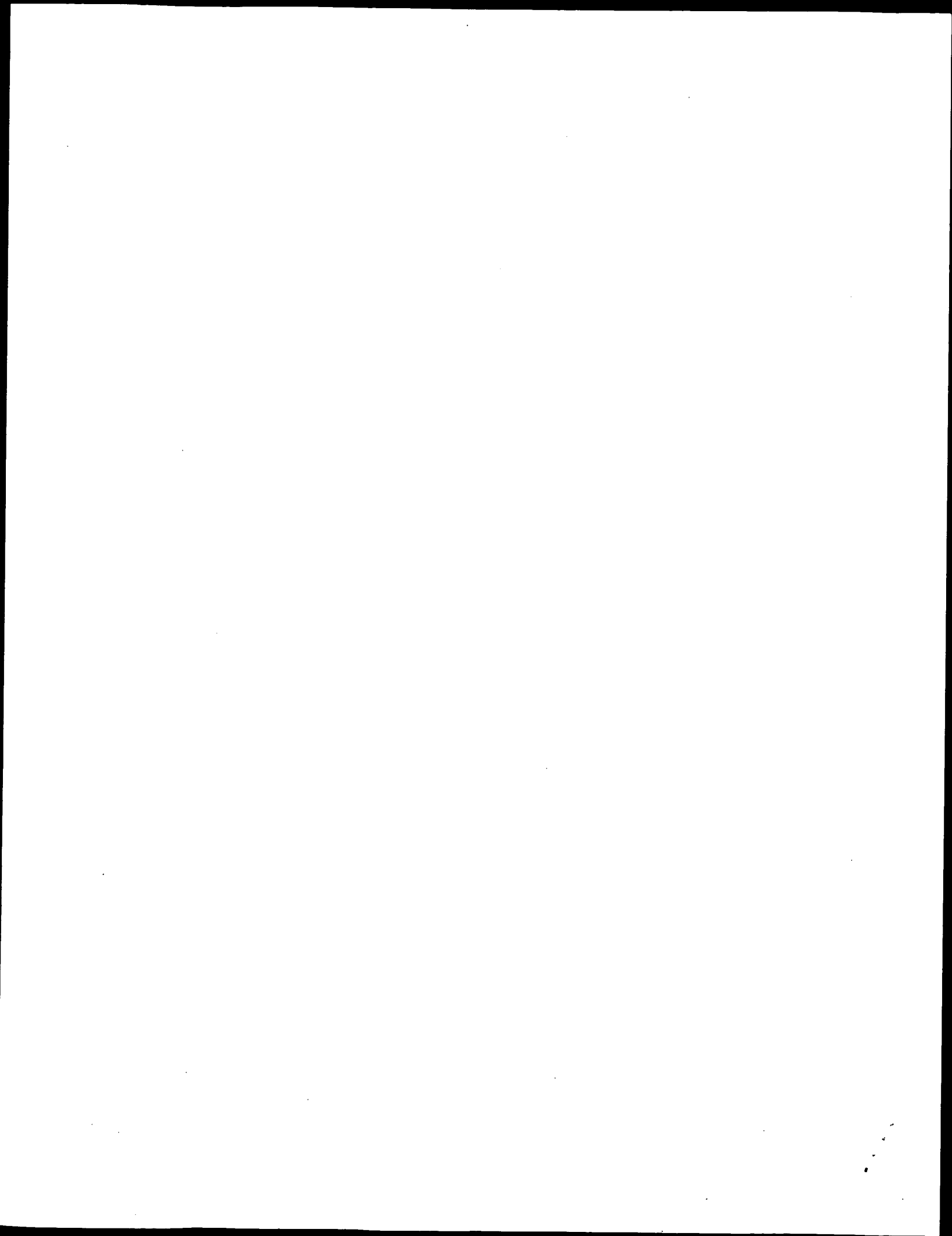
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Sat Mar, 22 10:41:23 2003

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Search completed: March 22, 2003, 09:59:49
Job time : 8.90123 secs

us-09-601-667c-38.ra1





Creation date: 25-08-2003
Indexing Officer: THOANG5 - TU ANH HOANG
Team: OIPEBackFileIndexing
Dossier: 09601667

Legal Date: 13-04-2001

No.	Doccode	Number of pages
1	FOR	32
2	FOR	34
3	FOR	34
4	FOR	124
5	NPL	6

Total number of pages: 230

Remarks:

Order of re-scan issued on

